



BRAUER SUPPLY CO.

2100 WASHINGTON AVE.

ST. LOUIS 3, MO.

Chestnut 1-0445

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From the collection of:

Mike Jackson, FAIA

**HEATING
AND
AIR CONDITIONING
SUPPLIES**



BRAUER SUPPLY CO.

2100 WASHINGTON AVE. ST. LOUIS 3, MO.

CHestnut 1-0445

GENERAL TERMS

PRICES

Wherever prices are shown, they are List Prices. Discounts and Prices are given in our Price Supplement accompanying the catalog. This Price Supplement will be issued from time to time as price changes warrant. All prices and specifications are subject to change without notice. Federal, State and Municipal taxes, if any, must be paid.

FREIGHT

All prices F.O.B. our warehouse (unless otherwise specified).

TERMS

Cash Discount as shown on each invoice. Invoices will be dated the day of shipment. Interest at the rate of 6% per annum will be charged on past due accounts.

RETURN GOODS

No material of any kind may be returned for credit without first securing written permission and when so returned, will be subject to the following terms.

1. Materials that we normally stock, returned to us within 30 days after purchase, will be credited in full and our normal handling charge will not apply. Errors on our part in filling orders will be covered by this section as they must be discovered within this period. This does not apply to furnace and stove repairs. Special permission must be granted in each case.
2. Materials that we normally stock which were purchased from us sometime between 31 and 180 days prior to their return will be credited at the invoice price or current selling price, whichever is lower, less a 10% handling charge.
3. Materials that we normally stock which were purchased from us over six months prior to their return will be credited at the invoice price or current selling price, whichever is lower, less a 25% charge for handling.
4. Materials not purchased from us will not be accepted for credit.
5. Special materials, which were secured especially for a customer and are not normal stock items, will not be accepted for credit, unless an agreement between our customer and ourselves has been negotiated.
6. Return freight charges, if any, must be paid by the customer.

SHORTAGES AND CLAIMS

All claims of shortages or errors must be filed within fifteen days after receipt of material. All replacement parts will be shipped promptly "no charge" if claim is approved. Otherwise they will be invoiced in the usual manner. If, at a later date, the claim is substantiated, proper credit will be allowed.

MINIMUM INVOICE

Our minimum invoice charge will be \$2.00 per invoice.

BRAUER SUPPLY CO.

2100 Washington Avenue

St. Louis 3, Mo

CH. 1-0445

The prices shown herein are **NET DEALER PRICES** and apply
only to qualified Companies.

Date 5/1/59

Dealer Confidential Price Supplement

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE

PAGE 1

AMERICAN-STANDARD FURNACES

Ask for special price list.

PAGE 2

AMERICAN-STANDARD AIR CONDITIONING

Ask for special price list.

PAGE 3

MERIDIAN FURNACES

Ask for special price list.

PAGE 4

SYNCHROMATIC FURNACES

Ask for special price list.

PAGE 5

SYNCHROMATIC FURNACES and AMERICAN BLOWER AIR CONDITIONING

Ask for special price list.

PAGE 6

REZNOR UNIT HEATERS

Ask for special price list.

PAGE 7

BRAUER SERIES PIPE FURNACE

Complete with Casing & Canopy

#118.	\$120.00
#120.	144.00
#122.	155.00
#124.	200.00
#126.	234.00

N-20 Novent Heaters	\$123.00
N-35 Novent Heaters	151.00
N-45 Novent Heaters	170.00

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CUSTOM AIRE HEATERS

N-1417-SW.	\$ 45.00
N-1421-SW.	46.65
N-1425-SW.	48.75
N-1430-SW.	51.00
N-1435-SW.	53.25
N-1435-DW.	61.35
N-1440-DW.	63.00
N-1445-DW.	66.00

PAGE 8 (Continued)

N-1450-DW.	71.85
N-1455-DW.	75.00
N-1460-DW.	84.00

Add Extra for Control.

#B-60-YS General	\$ 26.21
#S-110 Robertshaw Grayson. .	13.30

U.S. CANNON STOVES

#15	\$ 52.00
#18	57.25
#20	68.90

SAMCO GAS-FIRED FLOOR FURNACES

#5019.	\$104.30
#7012.	126.53

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PREWAY STARLINE OIL HEATERS

	1 To 9	10 or More
#420.	\$44.70	\$ 40.23
#421.	77.97	70.17
#422.	83.97	75.57
#431.	60.00	54.00

#108 Wall Fan	14.97
#3592 5 Gal. Tank.	6.75
#433 3 Gal. Tank	5.22
#55494 Outside Tank Con- nection Kit	7.50
#55493-1 Floor Board.	4.30
#55493-1 Floor Board.	3.50
#497 Thermostat Kit	8.97
#498 Electric Thermostat Kit	17.97
#499 Electric Oilifter.	25.80

PAGE 10

PREWAY VENTED GAS HEATERS

	1 To 9	10 or More
#001.	\$23.97	\$ 21.57
#007.	38.70	34.83
#002.	59.97	53.97
#003.	69.57	62.61
#004.	86.97	78.27
#005.	100.77	90.69
#007.	101.97	91.77

ACCESSORIES

#KY8352 Thermostat Kit. . .	\$ 24.70
#KY7671 M-H Modu-Snap. . .	13.60
#K8350 Pressure Regulator. .	2.25
#45491C Blower Unit.	18.90

PAGE 10 (Continued)

#108 Transaire Thru-Wall Fan	14.97
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PAGE 11

ARMSTRONG GAS HEATERS

#9-C (Bathroom Heater-un- vented).	\$ 3.40
#12 Unvented Utility Heater (Brown).	5.65
#12 Unvented Utility Heater (White).	5.85
#2123 Unvented Utility Heater (White).	9.55
#1244 Unvented Heater. . . .	27.90
#7200 Vented.	36.70

PAGE 12

BERNZ-O-MATIC TORCH & PART

#TX10 Complete Torch. . . .	\$ 4.65
#TX11	4.65
#TX9	1.33
#TX1	3.50
#TX2	3.50
#TX400.	1.17
#TX401.	1.30
#TX405. . . . .	.20
#TX12	6.30

ARMSTRONG GAS HEATERS

#3200 Unvented Heater. . . .	\$ 15.00
#3300 Unvented Heater. . . .	16.30
#3244 Unvented Heater. . . .	20.00

GAS HOT PLATES

	1 To 5	6 or More
1 burner-low-leg	\$3.85	\$ 3.50
2 burner-low leg	5.50	4.95
2 burner-high leg. . . .	7.05	6.35
3 burner-low leg	7.65	6.90
3 burner-high leg. . . .	8.50	7.65

PAGE 13

#150-C Economite Burner . .	\$113.50
#300-C Economite Burner . .	156.00
#500-C4 Economite Burner. .	266.00
#500-C2 Economite Burner . .	224.00
#700-C4 Economite Burner. .	332.00
#700-C2 Economite Burner . .	294.00
#150-C-DF Economite Dual Fuel.	148.04
#300-C-DF Economite Dual Fuel.	192.72

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE

Page 1

PAGE 13 (Continued)

#500-C2-DF Economite Dual Fuel.....	326.40
#500-C4-DF Economite Dual Fuel.....	367.04
#700-C2-DF Economite Dual Fuel.....	472.00
#700-C4-DF Economite Dual Fuel.....	519.04

•Note C4 denotes-instantaneous electronic pilot safety.

PAGE 14**NU-WAY OIL CONVERSION BURNERS**

#1XL-175	\$115.50
#1XL-300	115.50

ADAMS DUAL FUEL GAS CONVERSION BURNERS

#DF-1N.....	\$133.00
#DF-1M.....	135.80
#DF-2N.....	143.50
#DF-2M.....	148.70

ROBERTS-GORDON CONVERSION BURNERS

#84-X.....	\$125.25
#84-Y1.....	134.85
#84-Z.....	179.25
#302-21-A.....	91.00
#302-21.....	99.40
#302-21-X.....	97.60
#302-21-Y1.....	107.20
#400-RA.....	80.80
#400-R Nat.....	85.60
#400-R Mfg.....	88.60
#400-R1.....	94.00
#302-21-X Special.....	72.96

PAGE 15

Silver Craft Cooling Towers – Less 30%.

Bell & Gossett Pumps – as shown.

PAGE 16**ESSICK COOLERS**

Write for prices.

ASHBURN DIFFUSERS

Less 30%

PAGE 17**KITCHEN AIRE RANGE HOODS****KA-500**

Specify Length and Finish

Finishes	Lengths	Dealer Price 1-5
Brushed Antique Copper	24"	\$33.30
Brushed copper	30"	35.97
Solid Stainless Steel	36"	37.97
	42"	39.97

PAGE 17 (Continued)**KA-200**

Specify Length and Finish

Finishes	Lengths	Sug- gested Dealer Price 1-5
Hammered Antique Copper Brushed Copper	24"	\$18.63
Hammered Antique Copper Brushed Copper Hammered Swedish Iron Hammered Chrome Hammered Black	30-33-36 39-42"	20.63
Solid Stainless Steel Brushed Antique Copper	24-30-33 36-39-40 42"	21.97
Hammered Antique Copper Brushed Copper	40"	20.63
Hammered Antique Copper Brushed Copper Brushed Antique Copper Solid Stainless Steel	48"	23.97

(Special sizes available at additional cost)

KITCHEN VENT FANS

#B8C Schaefer Kitchen Ventilating Fan	\$ 20.30
#SM10W-10" Kitchen Ventilating Fan	19.94

PAGE 18**REX AIR PAK BLOWERS**

#R-1110-17.....	\$ 74.50
#R-1313-25.....	91.50
#R-161-33.....	142.50
#KA-170 Kitchenaire Ventilators	46.64
#KA-155 Kitchenaire Ventilators	33.30

COMBINATIONS**SA-100C**

Specify Length and Finish

Finishes	Lengths	Dealer Price 1-5
Brushed Copper Hammered Antique Copper	24" 30" 36" 42"	\$33.30 33.97 34.64 35.30
Solid Stainless Steel Brushed Antique Copper	24" 30" 36" 42"	\$36.64 37.30 37.97 39.97

#812A Booster Fan	7.85
#1224 Booster Fan	14.00

PAGE 19**APRILAIRE RESIDENTIAL HUMIDIFIERS**

#110.....	\$ 66.33
#112.....	79.70

PAGE 19 (Continued)

#711 Humidifier	\$ 11.34
#V390 Rex Clipper Fan ...	\$ 47.95
#V587 Rex Clipper Fan ...	57.75
#V835 Rex Clipper Fan ...	66.30
#V1000 Rex Clipper Fan...	72.40

PAGE 20**SKUTTLE HUMIDIFIERS**

#600.....	\$ 14.53
#600B.....	12.33
#450.....	11.00
#800 Electric.....	29.88
#400 Electric.....	59.67
#65 Bon Aire.....	17.40
#800 General.....	9.55
Auto Flo.....	11.65
#6000 Viking.....	11.50
#489 Vapoglas Plates 5 plates per package ...	1.47
#11 Automatic Pan Filler ..	4.25
Saddle Valve.....	.83
Water Shut-off Valve .....	.48
Float Assembly	2.67

PAGE 21**SAF-T-HOT WATER HEATERS**

Saf-T-Hot 10-year Glass Lined Super Series-Gas	
SX20-1.....	\$ 68.50
SX30-1.....	74.50
SX40-1.....	85.00
SH30-1.....	74.50
SX65-1.....	127.20

STANDARD 10 YEAR GLASS LINED

SXL-20-2.....	\$ 61.00
SXL-30-2.....	68.50
SXL-40-2.....	80.00

ECONOMY 10 YEAR GLASS LINED

SHG-30-XM.....	\$ 57.85
SHG-40-XM.....	73.50

5 YEAR GALVANIZED TANK

SXL-20-7.....	\$ 53.00
SXL-30-7.....	59.00
SH-30-7.....	59.00
SXL-40-7.....	68.50
SX-50-7.....	88.60
SX-65-7.....	108.00

VOLUNTEER-GALV. 1 YEAR

SXL-20-9.....	\$ 50.00
SXL-30-9.....	55.00
SXL-40-9.....	66.00

SAF-T-HOT GALV. TABLE TOP

ST-30-7.....	\$ 88.60
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AUTOMATIC-ELECTRIC WATER HEATERS 10 YEAR GALV.

ES-40-C.....	\$ 73.50
ES-52-C.....	83.50
ES-66-C.....	97.90
ES-80-C.....	107.60
ESG-52-C.....	86.50

ELECTRIC TABLE TOP-10 YEAR

TESG-52-D.....	\$102.50
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PAGE 21 (Continued)

#333 Temp-Pressure Relief Valve.....	1.50
F 77 HEATER CONNECTORS	
36".....	\$ 1.95
48".....	2.24
60".....	2.53
#L-17-T Warm Morning Incinerator.....	\$ 88.17

PAGE 22**OIL BURNER NOZZLES**

Delavan - .50 GPH to .65 GPH each.....	\$ 1.55
Delavan - .75 GPH to 15.00 GPH each.....	.95
Steinen - .50 GPH to .65 GPH each.....	1.55
Steinen - .75 GPH & over each.....	.95
Monarch - Under 1.00 GPH each.....	1.55
Monarch - 1.00 GPH & Over each.....	.95

METAL NOZZLE BOX

Free with order for 24 Nozzles Regular Price.....	\$ 1.75
B4 Fulflo Filter.....	3.21
B6 Fulflo Filter.....	5.06
B4 Refill.....	.65
B6 Refill.....	.80

SUNDSTRAND OIL BURNER PUMPS

Single Stage.....	\$ 16.95
Two Stage.....	22.25

GUARDIAN FLEXIBLE COUPLINGS

3".....	\$.85
3½".....	.90
4".....	.95
4½".....	1.00
#PF-2002 Purolator Oil Filter.....	2.95
#PF200 Refill.....	.70

PAGE 23

#2A-300 General Filter....	\$ 4.64
#2A-700 General Filter....	3.79
#1A-25 General Filter....	2.94

REPLACEMENT FILTER CARTRIDGES

C1203 Fram 1 to 23 ea....	\$ 1.12
24 or more.....	.95
C1210 Fram 1 to 23 ea....	.74
24 or more.....	.61
RF4 Fulflo 1 to 6 ea....	.65
6 to ctn. - 1 to 5 ctn....	3.18
RF6 Fulflo 1 to 30 ea....	.80
31 to 66 ea.....	.75
1A30 General 1 to 11 ea....	.69
12 or more.....	.64
2A311 General 1 to 11 ea....	.93
12 or more.....	.87
2A710 General 1 to 11 ea....	.97

PAGE 23 (Continued)

12 or more.....	.89
PF200 Purolator 1 to 5 ea....	.70
6 to 11.....	.65
12 or more.....	.60

VENTALARM GAUGE

#VG-A.....	\$ 2.95
#VG-B.....	2.95
Type LA Ventalarm Signal ..	1.75
#GB Scully Gauge.....	1.39

TORRID CAST REFRACTORY CEMENT

50 lb. Bag.....	\$ 2.90
100 lb. Bag.....	5.40

GLO-LITE COMBUSTION CHAMBER

#755A.....	\$ 8.75
#1005A.....	9.15
#1355A.....	11.05
#1505A.....	12.05
#2005A.....	12.75

Zonolite Brand Vermiculite Fill Type Insulation #2 bag	1.45
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#F10B Drum and Tank Filter each.....	\$ 2.80
less 33-1/3%	
#6-OV Tank Valve each...	1.64
#7-OV Tank Valve each...	1.64
#8-OV Tank Valve each...	1.64
#70-OV Tank Valve each ..	1.64
#10-OV Tank Valve each ..	1.64
less 33-1/3%	
#1200 Tank Valve.....	1.79
#1901 Tank Valve.....	1.88
#1910 Tank Valve.....	1.83
Hinger Fill Cap.....	1.25
Obround Oil Storage Tanks ..	32.80
1½" x 12" Black Tank Legs Set.....	2.00
1½" c 18" Black Tank Legs Set.....	3.20

PAGE 25

#95F Flaring Tools.....	\$ 5.75
#102-B Spring Tube Bender 1/4".....	.30
#102-B Spring Tube Bender 5/16".....	.30
#102-B Spring Tube Bender 3/8".....	.35
#102-B Spring Tube Bender 1/2".....	.45
#102-B Spring Tube Bender 5/8".....	.50
#274-F Imperial Cutting Tool	3.95
#364F Imperial Bending Tool 3/8".....	7.20
#364F Imperial Bending Tool 1/2".....	12.15
#1226 Flaring & Cutting Tool Kit.....	7.85

Copper Tubing

Current Market Prices Apply

PAGE 26Shut-Off Cocks & Brass Fittings -
List less 33-1/3%**PAGE 27**

Brass Fittings - List Less 33-1/3%

PAGE 28

Brass Fittings - List less 33-1/3%

PAGE 29

Brass Fittings - List less 33-1/3%

PAGE 30**MINNEAPOLIS-HONEYWELL**

T86A Thermostat.....	\$ 9.71
#T42A Heavy Duty Thermostat.....	16.76
#TA42A Line Voltage Thermostat.....	16.76
#T44A Light Duty Thermostat.....	12.11
#T852A Comfort Chronotherm	34.91
#TA830 Heating-Cooling Thermostat.....	20.63
#H64A Humidity Controller ..	16.13
LA419A Airstat.....	8.36
LA419B Airstat.....	8.81
LA219A Airstat.....	10.84
#LA412A Furnacestat	8.93
#LA409A,B Surface Aquastat.....	9.94
#RA817A Protectorelay ...	33.30
#L4006A, L4006B Immersion Aquastat.....	11.25
#P404A, P404B Pressuretrol	11.59
#L680B Changeover Control.	15.53
#V80 Silent Gas Valve....	
Ask for prices, giving pipe size.	

PAGE 31**MINEAPOLIS-HONEYWELL**

V855 Motorized-Valves	
Ask for prices, giving pipe size	
#V5163 Thermostatic Gas Valve.....	\$ 16.91
#V5120 Gas Water Heater Control.....	15.26
#RA816A Protectorelay ...	30.00
#R883B Stokerelay.....	31.61
#V4001A Delayed-Opening Oil Valve.....	8.25
C434A.....	6.41
#Q235 Thermocouple 18" to 36".....	1.54
#Q234A Thermocouple 18" to 36".....	1.99

PAGE 32**WHITE-ROGERS CONTROLS**

#120-115 Thermostat.....	\$ 9.60
#125-115 Thermostat.....	9.98
#121-115 Thermostat.....	9.60
#S12E Sub Base.....	5.40

PAGE 32 (Continued)

#S12F Sub Base	5.78
#S12G Sub Base	5.40
#S12H Sub Base	5.03
#S12A Sub Base	5.78
#S12B Sub Base	5.40
#S12C Sub Base	5.40
#S12D Sub Base	5.03
#180-1 Line Thermostat . . .	12.11
#180-2 Line Thermostat . . .	12.11
#181-1 Line Thermostat . . .	12.11
#484-1 Limit Control	8.36
#484-2 Limit Control	8.36
#416-4 Limit Control	9.41

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WHITE-ROGERS CONTROLS

#569-40 Fan Control	\$ 8.93
#545-8 Fan Control	20.63
#5A75-5 Fan Control	13.13
#5A75-6 Fan Control	13.73
#11B02-1 Surface Control . . .	9.90
#11B09-2 Surface Control . . .	9.90
#1127-2 Surface Control . . .	10.95
#231-10 Changeover Control . .	15.90
#26A01-203 Valve	16.28
#26A01-204 Valve	16.28
#26A01-205 Valve	17.55
#26A01-206 Valve	17.81
#26A01-207 Valve	23.21
#26A01-208 Valve	24.23
#26A01-209 Valve	24.80
#26A02-203 Valve	14.78
#26A02-204 Valve	14.78
#26A02-205 Valve	16.05
#26A02-206 Valve	16.31
#26A02-207 Valve	21.71
#26A02-208 Valve	22.73
#26A02-209 Valve	23.30

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#2504-203 Solenoid Valves . \$	15.38
#2504-204 Solenoid Valves .	15.38
#2504-205 Solenoid Valves .	16.65
#2504-206 Solenoid Valves .	16.91
#2504-207 Solenoid Valves .	22.31
#2504-208 Solenoid Valves .	23.33
#2509-203 Solenoid Valves .	14.78
#2509-204 Solenoid Valves .	14.78
#2509-205 Solenoid Valves .	16.05
#2509-206 Solenoid Valves .	16.31
#2509-207 Solenoid Valves .	21.71
#2509-208 Solenoid Valves .	22.73
#610-2 Oil Burner Controls .	32.96
#610G-2 Oil Burner Controls	37.09
#611-1 Oil Burner Controls .	29.85
#611G-1 Oil Burner Controls	33.98
#617-2 Oil Burner Controls .	39.60
#3007-1 Automatic Pilots . .	9.68
#3007-6 Automatic Pilots . .	9.68
#3007-11 Automatic Pilots . .	9.68
#3007-22 Automatic Pilots . .	9.68
#3007-28 Automatic Pilots . .	9.68
#3007-34 Automatic Pilots . .	9.68
#3007-62 Automatic Pilots . .	9.68
#81-0126 Transformers	1.97
#81-0132 Transformers	2.49
#81-0125 Transformers	3.09

PAGE 34 (Continued)

#81-0130 Transformers	3.62
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PAGES 35 THRU 38 INCLUSIVE

MIDCO REGISTERS

1 - 99 - list less 50%	
100 - 249 - list less 50-5%	
250 - 499 - list less 50-10%	
500 & Over - list less 50-20%	

PAGES 39 THRU 45 INCLUSIVE

LIMA REGISTERS

1 - 99 - list less 50%	
100 - 249 - list less 50-5%	
250 - 499 - list less 50-10%	
500 & Over - list less 50-20%	

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TITUS REGISTERS

1 - 99 - list less 35-5%	
100 - 249 - list less 35-5-5%	
250 - 499 - list less 35-5-10%	
500 & Over - list less 35-5-20%	

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Model TM Titus Ceiling Diffusers

6"	\$ 9.60
8"	12.80
10"	16.60
12"	18.00
14"	24.55
16"	29.00
18"	37.00
20"	51.80
24"	90.40
30"	150.00
36"	193.80
Less 32%	

Model TMA Titus Ceiling Diffusers

6"	List Price \$ 15.60
8"	19.95
10"	24.00
12"	28.40
14"	34.20
16"	38.25
18"	46.10
20"	69.25
24"	103.80
30"	163.00
36"	228.80
Less 32%	

Model T-1 Titus Ceiling Diffusers

6"	List Price \$ 8.30
8"	10.50
10"	13.00
12"	15.45
14"	17.15
16"	22.40
18"	32.85
20"	45.60
24"	66.30
Less 32%	

PAGE 47 (Continued)

Model TMS Titus Ceiling Diffusers

4"	List Price \$ 10.50
5"	10.75
6"	11.75
8"	16.35
10"	21.00
12"	26.50
14"	29.50
16"	38.25
18"	42.40

AG-65 Damper and Grid

6"	List Price \$ 7.40
8"	8.10
10"	9.15
12"	9.95
14"	11.30
16"	13.10
18"	15.15
20"	17.75
24"	23.75
30"	30.35
Less 32%	

AG-75 Radial Deflector Damper

6"	List Price \$ 6.70
8"	7.00
10"	7.20
12"	7.65
14"	8.30
16"	10.90
18"	15.25
20"	16.90
Less 32%	

Model CC Ceiling Cone

6"	List Price \$ 5.50
8"	5.70
10"	8.25
12"	9.75
14"	12.85
16"	16.65
18"	17.75
20"	19.00
24"	35.75
Less 32%	

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STANDARD Thermo-Base(Beige Prime Coat)

8" Standard unit	\$ 7.00
5" Standard unit	5.00
3" Standard unit	3.00
5" Polished Stainless Steel Unit . .	15.00
3" Polished Stainless Steel Unit . .	12.00
Damper (50 to Master Carton) . . . .	.75
Extra end caps (per pair) . . . . .	.50
Connector . . . . .	.50
3" Wood filler piece	6.00

(Can be cut on job to make inside or outside corners)

SUPER Thermo-Base (Beige Prime Coat)

8" unit (8" units only)	\$14.00
Damper	1.00

PAGE 48 (Continued)

Extra end caps (per pair)	1.00
Connector	1.00
GLASS WALL Thermo-Base	
4' Unit	\$19.60
3' Unit	14.70
Connector	1.50
3 POPULAR SIZES (Beige Prime Coat)	
24" Gerwin-diffuser, LESS damper (20 to Master Carton)	\$ 2.00
24" Gerwin-diffuser, WITH damper (20 to Master Carton)	2.50
Damper only for 24" Gerwin-diffuser (48 to Master Carton) .....	.50
30" Gerwin-diffuser,) LESS damper (20 to Master Carton)	2.40
30" Gerwin-diffuser, WITH damper (20 to Master Carton)	3.00
Damper only for 30" Gerwin-diffuser (48 to Master Carton) .....	.60
48" Gerwin-diffuser, LESS damper (12 to Master Carton)	2.75
48" Gerwin-diffuser, WITH damper (12 to Master Carton)	3.50
Damper only for 48" Gerwin-diffuser (24 to Master Carton)75

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600W Electric Element	\$ 23.00
900W Electric Element	24.00
1200W Electric Element	25.00
1500W Electric Element	28.00
1800W Electric Element	30.00
MH-T460 Line Voltage Thermostat	9.71

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10 Ft. Lgts.

TRANSTE WARM AIR DUCT	
3"	\$0.29 Ft.
4"36
5"48
6"54
7"72
8"82

TRANSTE GAS VENT PIPE

Price per ft.
Including coupling

3"	\$.43
4" .....	.62
5" .....	.81
6" .....	.97
7"	1.16
8"	1.58

Transite 45 deg. elbows

3"	\$ 1.31
4"	1.77
5"	2.40
6"	2.87
7"	4.48
8"	5.71

Transite Short Leg Tee

3"	\$ 2.37
4"	3.36

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5"	4.39
6"	5.21

Transite Cone Tops Complete

3"	\$ 2.38
4"	3.03
5"	4.34
6"	4.97
7"	6.16
8"	7.91

Van Packer Chimneys

14" Suspension Support (Base)	\$ 9.60
24" Flue Section	8.00
12" Flue Section	4.80

Aluminum Housing with Flashing

2 ft	\$ 7.20
3 ft	9.60
4 ft	12.00
5 ft	14.40
6 ft	16.80
7 ft	19.20
8 ft	21.60

Standard Housing Cap

Assembly Complete \$ 4.80

SONOAIRDUCT - 12 FT. LENGTHS

Price per ft.

6"	\$.33
7"41
8"50
9"60
10"69
11"76
12"87
14"	1.12
16"	1.50
18"	1.72
20"	2.33

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Metalbestos All Fuel Chimney

Orders up to \$150.00 NET.

30 and 5%

Orders Over \$150.00 NET.

30 and 10%

PAGES 52, 53 AND 54

Metalbestos Vent

30% off

\$250.00 NET. 5% extra

\$500.00 NET. 10% extra

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Galv. Sheets at prevailing prices

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Champion Roof Flashing - Galv.

3"	\$.69
4"81
5"	1.39
6"	1.96
7"	2.39
8"	2.54

PAGE 56 (Continued)

9"	3.00
10"	3.47
12"	3.93

Champion Chimney Caps - Galv.

3"	\$.65
4" .....	.65
5" .....	.70
6" .....	.75
7" .....	.80
8" .....	.85
9" .....	.95
10"	1.00
12"	1.05

Aluminum Clothes Dryer

Vents - 3"	\$ 1.24
Vents - 4"	1.32

Aluminum Pipe

3" - 24" joints	\$.37
4" - 24" joints .....	.48
90 deg. Adjustable Elbows - 3"	\$.44
Elbows - 4" .....	.53

Artis Vacuum Caps

3"	\$ 1.50
4"	1.73
5"	1.88
6"	2.48
7"	2.78
8"	3.15
9"	3.60
10"	4.50
12"	6.00

G.I. Rain Caps

3"	\$.71
4" .....	.85
5" .....	.95
6"	1.08
7"	1.40
8"	1.57

G.I. Adjustable Flashings

3"	\$ 1.68
4"	1.68
5"	2.29
6"	3.03
7"	3.35
8"	3.60
9"	3.82

Accurate Revolving Ventilators

3"	\$ 3.01
4"	3.43
5"	3.85
6"	4.13
7"	4.34
8"	4.74
9"	5.60
10"	6.30
12"	7.84

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V.F.A. Aluminum Wall Louvers

8-8	\$ 1.04
12-8	1.28
8-16	1.56

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12-12	1.49
12-18	1.93
12-24	2.85
18-18 Discontinued	
18-24	4.00
24-24 Discontinued	
24-30	5.71
ES-16 Ventilator	.48
CB-16-8 Ventilator	.73
L40 Adj. Louvers	3.12
L50 Adj. Louvers	3.95
L60 Adj. Louvers	5.00
SRA-10-3 Slant Roof Louvers	1.93
SRA-20-3 Slant Roof Louvers	2.93
SRA-40-3 Slant Roof Louvers	5.33
R-50-A Slant Roof Louvers	2.39
RTA-6 Turbine Vent	8.76
RTA-8 Turbine Vent	9.48
RTA-10 Turbine Vent	12.44
RTA-12 Turbine Vent	14.77
RTA-14 Turbine Vent	20.02
RTA-16 Turbine Vent	25.31
RTA-18 Turbine Vent	34.68
RTA-20 Turbine Vent	43.40
RTA-24 Turbine Vent	56.48
RTA-30 Turbine Vent	89.37

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HY-C CHIMNEY COVERS

	Regular	With Bird Guard
#176A Cement On	\$4.83	\$5.56
#177A Cement On	5.49	6.34
#178A Cement On	6.31	7.29
#179A Cement On	7.14	8.22
#119D No Down Draft	8.75	9.48
#121D No Down Draft	9.70	10.55
#122D No Down Draft	10.68	11.66
#123D No Down Draft	11.73	12.81
#186B Band Around	5.56	6.46
#188B Band Around	6.15	7.18
#180B Band Around	6.15	7.18
#182B Band Around	6.88	8.01
#184B Band Around	7.74	8.99
#212H Clamp-to-File	4.79	5.64
#210H Clamp-tp-File	5.40	6.38
#214H Clamp-to-File	6.22	7.30
#233H Clamp-to-File	5.79	6.77
#238H Clamp-to-File	6.58	7.66
#211H Clamp-to-File	4.91	5.36
#213H Clamp-to-File	6.30	6.83
#215H Clamp-to-File	6.40	7.00

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HY-C CHIMNEY COVERS

	Regular	With Bird Guard
#216H Clamp-to-File	\$10.18	\$10.88
#218H Clamp-to-File	11.09	11.87
#219H Clamp-to-File	10.66	11.51
#220H Clamp-to-File	2.83	3.46
#224H Clamp-to-File	3.12	3.82
#228H Clamp-to-File	3.62	4.42
#230H Clamp-to-File	3.62	4.07
Write for prices on Made to Order Sizes		

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STYLE K BOX GUTTER

10 ft. and 20 ft. lengths (Regular)

28 Gauge		
Net Prices Per 100 lineal feet		
Size	Girth	
4"	10"	\$ 12.00
5"	12"	14.29
6"	15"	23.11

26 Gauge		
Net Prices Per 100 lineal feet		
Size	Girth	
4"	10"	\$ 13.72
5"	12"	17.71
6"	15"	28.39

Style K Cutter Mitres

28 Gauge		
Net Prices per 100 pieces		
Size		
4"		\$ 87.12
5"		98.01
6"		220.21

26 Gauge		
Size		
4"		\$ 98.01
5"		108.90
6"		247.90

Style K End Cap

28 Gauge		
Net Prices per 100 pieces		
Size		
4"		\$ 6.44
5"		6.72
6"		9.48

Style K Slip End Cap

28 Gauge		
Net Prices per 100 pieces		
Size		
4"		\$ 14.68
5"		15.74

Round or Square Outlets

28 Gauge		
Net Prices per 100 pieces		
Size		
2"		\$ 21.78
3"		21.78
4"		28.86

Style K Slip Joint Connectors

28 Gauge		
Net Prices per 100 pieces		
Size		
4"		\$ 28.86
5"		32.67
6"		74.06

Style K End Piece

28 Gauge		
Net Prices per 100 pieces		
Size		
4"		\$ 57.18
5"		60.98
6"		92.57

Square Bead Hanger

Price per 100. \$ 5.54

Gutter Spikes

7"	2.84
8"	3.97

PAGE 60 (Continued)

Ferrules

Price per 100	
4"	\$ 2.51
5"	3.27
6"	4.22

Half-Round Gutter - 10 ft. lengths

Prices per 100 ft.	
Lap Joint - 28 Gauge	
4"	\$ 10.86
5"	12.00
6"	16.51

26 Gauge	
4"	\$ 13.14
5"	13.72
6"	20.47

Slip Joint - 28 Gauge	
4"	\$ 12.58
5"	14.29
6"	19.81

26 Gauge	
4"	\$ 14.86
5"	15.43
6"	22.45

Half-Round Gutter Mitres

Prices per 100	
Lap Joint - 28 Gauge	
4"	\$ 56.62
5"	65.34
6"	96.89

26 Gauge	
4"	\$ 64.25
5"	71.87
6"	106.97

Slip Joint - 28 Gauge	
4"	\$ 78.40
5"	87.12
6"	122.06

26 Gauge	
4"	\$ 87.12
5"	95.84
6"	133.38

Direct Drive Conductor Pipe Hooks

Prices per 100		
	Wood Hooks	Brick Hooks
2"	\$14.16	\$ 15.72
2½"	15.10	16.67
3"	15.72	17.30
4"	20.76	24.23

"C" End Cap - Prices per 100

28 Gauge	
4"	\$ 20.69
5"	21.78
6"	26.14

26 Gauge	
4"	26.14
5"	28.31
6"	32.67

"E" End Cap - Prices per 100

28 Gauge	
4"	\$ 7.44
5"	7.77
6"	9.33

26 Gauge	
4"	\$ 8.92

PAGE 60 (Continued)

5"	9.44
6"	11.31

"D" End Piece — Prices per 100
28 Gauge

4"	\$ 57.18
5"	60.72
6"	92.57

26 Gauge

4"	\$ 68.60
5"	73.50
6"	110.80

"B" Drop — Prices per 100
28 Gauge

2"	\$ 18.24
3"	18.24
4"	22.65

26 Gauge

2"	\$ 22.65
3"	22.65
4"	27.68

"S" Slip Joint Connection
Prices per 100
28 Gauge

4"	\$ 16.88
5"	17.97
6"	21.78

26 Gauge

4"	\$ 21.24
5"	22.87
6"	28.31

Title-Lock Hanger

Prices per 100

4"	\$ 7.86
5"	8.81
6"	12.28

ROUND CONDUCTOR PIPE

Prices per 100 ft.

28 Gauge

2"	\$ 10.82
3"	12.04
4"	16.85
5"	23.45
6"	34.75

26 Gauge

2"	\$ 13.83
3"	14.44
4"	20.45
5"	27.67
6"	40.30

CORRUGATED SQUARE
CONDUCTOR PIPE

Prices per 100 ft.

28 Gauge

2"	\$ 14.44
3"	14.44
4"	18.64
5"	35.45

26 Gauge

2"	\$ 17.44
3"	18.05
4"	22.86
5"	38.22

PAGE 60 (Continued)

ROUND CONDUCTOR PIPE
ELBOWS

Prices per 100

28 Gauge

2"	\$ 26.14
3"	33.76
4"	57.18
5"	121.00
6"	163.35

26 Gauge

2"	\$ 30.50
3"	39.20
4"	68.06
5"	159.48
6"	202.66

CORRUGATED SQUARE CON-
DUCTOR PIPE ELBOWS

Prices per 100

28 Gauge

2"	\$ 38.12
3"	46.29
4"	81.68
5"	166.37

26 Gauge

2"	\$ 43.56
3"	54.45
4"	95.28
5"	193.60

FUNNELS

Prices per 100

28 Gauge

3"	\$ 84.93
4"	103.82

ROUND CUTOFFS

Prices per 100

28 Gauge

3"	\$113.24
4"	157.29

SQUARE CUTOFFS

Prices per 100

28 Gauge

3"	\$314.59
4"	440.42

STRAINERS (Round)

Prices per 100

28 Gauge

2"	\$ 12.59
3"	16.36
4"	20.76
5"	34.76

STRAINERS (Square)

Prices per 100

2"	\$ 23.60
3"	29.26
4"	47.82
5"	77.06

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Increases — Reducers

Sizes	5 x 4	6 x 5	7 x 6	8 x 7
	5 x 3	6 x 4	7 x 5	8 x 6
	\$0.79	\$0.83	\$0.90	\$0.94

PAGE 61 (Continued)

Sizes	9 x 8	10 x 9
	9 x 7	10 x 8
	\$1.00	\$1.07

No. 717 Basement Diffuser Box

6 x 8	\$ 2.20
7 x 10	2.40
8 x 10	2.80
9 x 14	3.25

Tees, Thimbles, Caps, Drawbands

Tee-Jt 24 Ga.	3"	4"	5"
Flue Thimbles	\$0.30	\$0.30	\$0.30
Tee-Jt. Cap-Hdle.	0.58	0.60	0.64
Tee-Jt. Cap-plain	0.53	0.55	0.59

Tee-Jt. 24 Ga.	6"	7"	8"
Flue Thimbles	\$1.72	\$1.78	\$2.17
Tee-Jt. Cap-Hdle.	0.30	0.35	0.35
Tee-Jt. Cap-plain	0.68	0.69	0.81

Tee-Jt. 24 Ga.	9"	10"	12"
Flue Thimbles	\$2.58	\$2.95	\$3.60
Tee-Jt. Cap-Hdle.	0.40	0.40	0.45
Tee-Jt. Cap-plain	0.92	0.99	1.05
Tee-Jt. Cap-plain	0.87	0.94	1.00

Snappy Takeoffs

4"	\$ 1.31
4½"	1.31
5"	1.31
6"	1.31
7"	1.47
8"	1.69

Snappy "A" Collars

4"	\$.38
4½"	.38
5"	.38
6"	.38
7"	.38
8"	.42

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Stack Size	¾ x 10	¾ x 12
#566 Wallstack	\$0.96 jt.	\$1.04 jt.
#533 Elbow 90°	1.30 ea.	1.40 ea.
#530 Elbow 90°	1.05	1.15
#532 Elbow 45°	1.05	1.15
#531 Elbow 45°	0.80	0.85

Stack Size	¾ x 14
#566 Wallstack	\$1.13 jt.
#533 Elbow 90°	1.55 ea.
#530 Elbow 90°	1.30
#532 Elbow 45°	1.30
#531 Elbow 45°	0.95

Stack Boots

571 Boot	570 Boot
¾ x 10-4"	\$1.07
¾ x 10-5"	1.07
¾ x 10-6"	1.17
¾ x 10-7"	1.22
¾ x 10-8"	1.29
¾ x 12-6"	1.23
¾ x 12-7"	1.30
¾ x 12-8"	1.35
¾ x 12-9"	1.43
¾ x 14-8"	1.42
¾ x 14-9"	1.58
¾ x 10-4"	\$0.93
¾ x 10-5"	0.93
¾ x 10-6"	0.99
¾ x 10-7"	1.05
¾ x 10-8"	1.11
¾ x 12-6"	0.99
¾ x 12-7"	1.11
¾ x 12-8"	1.16
¾ x 12-9"	1.24
¾ x 14-8"	1.23
¾ x 14-9"	1.39

PAGE 62 (Continued)

572 Boot		573 Boot	
3/4x10-4"	\$1.12	3/4-10-4"	\$0.93
3/4x10-5"	1.12	3/4x10-5"	0.93
3/4x10-6"	1.17	3/4x10-6"	0.99
3/4x10-7"	1.22	3/4x10-7"	1.05
3/4x10-8"	1.30	3/4x10-8"	1.11
3/4x12-6"	1.22	3/4x12-6"	0.99
3/4x12-7"	1.30	3/4x12-7"	1.11
3/4x12-8"	1.39	3/4x12-8"	1.16
3/4x12-9"	1.47	3/4x12-9"	1.24
3/4x14-8"	1.42	3/4x14-8"	1.23
3/4x14-9"	1.39	3/4x14-9"	1.39

Stock Heads

	10x6	12x6	14x6
#562	\$0.96 ea.	\$1.02 ea.	\$1.16 ea.
#560	0.96	1.02	1.16
#561	1.16	1.23	1.44
#563	1.02	1.10	1.23
#564	1.17	1.34	1.48

Floor Register Boxes

Register	#641	#642	#644	#646
Size				
2 1/4 x 12				\$1.16
2 1/4 x 14				1.16
4 x 10				1.16
4 x 12				1.16
4 x 14				1.16
6 x 10	\$1.40	\$1.40	\$1.70	
6 x 12	1.48	1.40	1.80	
6 x 14	1.52	1.44	2.00	
8 x 10	1.54	1.44	2.00	
9 x 12	1.60	1.52	2.20	
10 x 12	1.70	1.64	2.50	
12 x 14	1.80	2.02	2.70	

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RECTANGULAR DUCT

Size	4x8	6x8	8x8
16"	\$0.85	\$0.94	\$1.05
32"	1.28	1.44	1.49
60"	2.67	2.69	2.99
Size	10x8	12x8	14x8
16"	\$1.20	\$1.33	\$1.44
32"	1.70	1.80	2.00
60"	3.26	3.52	3.78
Size	16x8	18x8	20x8
16"	\$1.54	\$1.65	\$1.74
32"	2.27	2.47	2.63
60"	4.04	4.36	4.73
Size	22x8	24x8	26x8
16"	\$1.84	\$1.93	\$2.12
32"	2.79	2.98	3.15
60"	4.99	5.25	5.99

STARTING COLLARS

Size	4x8	6x8	8x8
#500	\$1.33	\$1.37	\$1.49
#501	0.60	0.63	0.67
Size	10x8	12x8	14x8
#500	\$1.64	\$1.76	\$1.94
#501	0.70	0.76	0.82
Size	16x8	18x8	20x8
#500	\$2.10	\$2.26	\$2.42
#501	0.84	0.91	1.05
Size	22x8	24x8	26x8
#500	\$2.52	\$2.68	\$2.84
#501	1.66	1.21	1.31

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Reducers & End Caps

Size	4x8	6x8	8x8
#520	\$1.83	\$1.87	\$1.98
#521	0.42	0.44	0.47
Size	10x8	12x8	14x8
#520	\$2.17	\$2.37	\$2.57
#521	0.48	0.49	0.50
Size	16x8	18x8	20x8
#520	\$2.78	\$2.97	\$3.15
#521	0.54	0.56	0.58
Size	22x8	24x8	26x8
#520	\$3.43	\$3.68	\$3.94
#521	0.60	0.62	0.65

Elbows and Angles

Size	4x8	6x8	8x8	10x8
505	\$1.68	\$1.78	\$1.94	\$2.08
506	1.35	1.38	1.47	1.53
507	1.36	1.44	1.58	1.77
508	1.65	1.78	1.89	2.08
Size	12x8	14x8	16x8	18x8
505	\$2.26	\$2.42	\$2.57	\$2.78
506	1.66	1.81	1.89	2.06
507	1.89	2.08	2.31	2.47
508	2.47	2.63	2.84	3.15
Size	20x8	22x8	24x8	26x8
505	\$3.02	\$3.26	\$3.47	\$3.83
506	2.21	2.31	2.47	2.73
507	2.68	3.15	3.65	4.15
508	3.57	4.15	4.83	5.51

Universal Plenum Assembly

SP-1	\$1.28	TP-1	\$0.70
SP-2	1.42	TP-2	0.76
SP-3	1.52	TP-3	0.88
SP-4	1.68	TP-4	1.00
SP-5	1.98	TP-5	1.16
SP-6	2.18	TP-6	1.30

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Galvanized Furnace Pipe Elbows and Angles

Price per Joint				
30 Gauge				
Size	120" Long	60" Long	30" Long	24" Long
3"				\$.31
4"	\$1.80	\$.89	\$.46	.36
5"	2.07	1.04	.52	.42
6"	2.23	1.11	.56	.45
7"	2.74	1.36	.69	.54
8"	2.95	1.47	.74	.58
9"			.84	.68
10"			.93	.74
12"			1.11	.88
28 Gauge				
Size	120" Long	60" Long	30" Long	24" Long
3"				\$.33
4"	\$1.91	\$.96		.40
5"	2.30	1.15	\$.59	.46
6"	2.41	1.21	.59	.48
7"	2.85	1.43	.72	.57
8"	3.17	1.58	.79	.63
9"			.86	.69
10"			.98	.78
12"			1.22	.96

PAGE 64 (Continued)

26 Gauge		24 Gauge	
Size	30" Long	24" Long	30" Long
3"		\$.40**	
4"		.48*	
5"	\$.65	.53	\$.65*
6"	.73	.58	.77*
7"	.84	.67	.81*
8"	.91	.73	\$1.14
9"	1.01	.81	1.23
10"	1.17	.94	1.43
12"	1.40	1.11	1.64
14"		1.35	
16"		1.49	
18"		1.81	

*Available in Lock-Joint and Tite-Lock style.

**Available in Tite-Lock style only.

PRICE EACH

30 Gauge		28 Gauge	
Size	90°	45°	90°
3"	\$.33		\$.37
4"	.38	\$.31	.41
5"	.43	.33	.47
6"	.45	.37	.52
7"	.55	.40	.59
8"	.63	.47	.68
9"	.69	.49	.75
10"	.80	.53	.86
12"	1.10	.64	1.20
26 Gauge		24 Gauge	
Size	90°	45°	90°
3"	\$.41		
4"	.46		
5"	.51	\$.41	\$.62
6"	.55	.44	.67
7"	.63	.47	.79
8"	.75	.52	.88
9"	.84	.56	.98
10"	.95	.62	1.15
12"	1.23	.70	1.47
14"	1.94	1.06	
16"	2.70	1.40	
18"	3.35	1.75	

TAKE-OFFS 581,582,583

Takeoffs	581	582	583	585
4x6 1/2-4"	\$1.13	\$1.13	\$1.13	\$1.16
5x7 -5"	1.16	1.16	1.16	1.23
6x8 -6"	1.19	1.19	1.19	1.31
7x9 -7"	1.38	1.38	1.38	1.44
7x10 -8"	1.51	1.58	1.58	1.58

Register Boots

Register	Size	Collar Size	#608	#609
2 1/4 x 10		4-5"	\$1.07	\$1.07
2 1/4 x 12		4-5-6"	1.22	1.22
2 1/4 x 14		4-5-6"	1.27	1.27
2 1/4 x 14		7-8"	1.37	1.37
4 x 10		4-5-6"	1.05	1.05
4 x 12		4-5-6"	1.10	1.10
4 x 14		4-5-6"	1.21	1.21
4 x 14		7-8"	1.45	1.45
6 x 10		6"	1.24	1.24
6 x 12		7"	1.40	1.40
6 x 14		8"	1.54	1.54
Register	Size	Collar	#610	#612
2 1/4 x 10		4-5"	\$1.07	\$1.16

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Register Size	Collar Size	#608	#609
2 1/4 x 12	4-5-6"	1.22	1.22
2 1/4 x 14	4-5-6"	1.27	1.27
2 1/4 x 14	7-8"	1.37	1.37
4 x 10	4-5-6"	1.05	1.10
4 x 12	4-5-6"	1.10	1.12
4 x 14	4-5-6"	1.23	1.21
4 x 14	7-8"	1.50	1.45
6 x 10	6"	1.27	1.23
6 x 12	7"	1.45	1.45
6 x 14	8"	1.60	1.60

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DRAFT HOODS

Horizontal	
3"	\$1.91
4"	2.48
5"	3.06
6"	3.61
7"	4.69
8"	6.45
9"	8.43
Vertical	
3"	\$0.92
4"	1.35
5"	1.80
6"	2.23
7"	3.04
8"	4.63
9"	6.23
10"	8.73

AUTOMATIC DRAFT CONTROLS

B34TJ03-3"	\$0.99
B34TJ04-4"	1.01
B34TJ05-5"	1.08
B34TJ06-6"	1.35
B34TJ07-7"	1.46

QUICKDRAFT DRAFT CREATOR

Q-6	\$54.00
Q-7	55.50
Q-8	68.00
Q-9	71.00
Q-10	75.70

SHUR-FLOR INDUCER AND DRAFT REGULATOR

SF-4X	\$13.90
SF-5X	14.70
SF-6X	16.80
SF-7X	18.25
SF-8X	19.90
SF-9X	21.75
SF-10X	22.00

TYPE M FIELD DRAFT CONTROLS

6M	\$ 3.00
7M	3.86
8M	4.15
9M	4.36
10M	7.54
12M	8.96
14M	16.23
16M	20.75
18M	26.38
20M	30.93
24M	46.66

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STOVE PIPE (BLUE) Price per 100 Jts.

	28 Ga.	30 Ga.
3"	\$31.75	\$28.50
4"	32.25	29.75
5"	33.50	30.00
6"	34.00	31.00
7"	37.50	33.50

STOVE PIPE ELBOWS

1 Piece Corrugated

	Price per 100 Pieces	
	28 Ga.	30 Ga.
3"	\$34.50	\$30.00
4"	34.50	31.00
5"	35.75	31.00
6"	36.75	32.25
7"	40.00	36.75

STOVE PIPE ELBOWS -

4 Piece Adjustable 28 Gauge

	Price per 100 Pieces	
	28 Ga.	30 Ga.
3"	\$46.00	
4"	47.25	
5"	48.50	
6"	49.75	
7"	53.00	

BLUE AIRFLO TEE JOINTS -

28 Gauge

	Price per 100 Pieces
3" x 3" x 3"	\$73.00
4" x 4" x 4"	73.00
5" x 5" x 5"	73.00
6" x 6" x 6"	73.00
7" x 7" x 7"	85.00

BLUE STOVE PIPE REDUCERS -

28 Gauge

	Price per 100 Pieces
7" to 6" Oval	\$35.75
7" to 6" Round	47.25

BLUE ROUND FLUE REDUCERS -

28 Gauge

	Price per 100 Pieces
6" to 3"	\$35.00
6" to 4"	35.00
6" to 5"	35.00
7" to 6"	35.00

GALVANIZED ADJUSTABLE FLUE THIMBLES

	Prices per 100 Pieces
5" - 6" - 7"	\$22.00
7" - 8" - 9"	26.00

DAMPER REGULATOR SETS

#7 Jiffy	each \$0.22
#145 Dial Damper Regulator	
Sets	.32
#195 Dial Damper Regulator	
Sets	.50
#38 Damper Quadrant Sets	.64
#12 Damper Quadrant Sets	.80
#80-3/8 Damper Quadrant Set	
with indicating dial	.46

PAGE 66 (Continued)

#70 Damper Set 1 to 143	.23
144 & Over Gross	.21
#101 Damper Clip	dozen 1.40
	gross 14.00
#102 Damper Tip	dozen .40
	gross 3.00

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ENTIRE PAGE PRICED AS LISTED

PAGE 68

EZ On Damper Sets	\$0.15 Set
JD-4 Prefabricated Damper	2.52 dz.
JD-5 Prefabricated Damper	2.88 dz.
JD-6 Prefabricated Damper	3.24 dz.
JDS-6 Prefabricated Damper	3.96 dz.
JDS-7 Prefabricated Damper	4.68 dz.
JDS-8 Prefabricated Damper	5.16 dz.
MFC-6-100 Flex. Duct	
Connector	100' \$35.00
EFC-50 Canvas - Galv.	50' 15.25
EFC-100 Canvas - Galv.	100' 30.50
EFA-50 Asbestos - Galv.	50' 20.25
EFA-100 Asb. - Galv.	100' 40.50
DFC-6 6' Canvas	100' 14.00
DFC-10 10" Canvas	100' 23.30
DS-1 Duro Stapler	7.20
DSP-1 Staples	Box 3.00
VR-1 Vane Rail	Foot .20
#6 Casing Clips	100 .75
#6 Casing Clips	1000 5.90
#8 Casing Clips	100 .75
#8 Casing Clips	1000 5.90
#91 Furnace Chain	500' 11.25
#91 Furnace Chain	100' 2.25
PKP-25 Damp.Rd.Clips	100 4.60
PKP-26 Damp.Rd.Clips	100 6.15
#10 Steel Furnace	
Pulley	doz. 1.10
#11 Steel Furnace	
Pulley	doz. 1.20

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ADJUSTABLE CHECK DRAFT DAMPERS -

(Write for Prices.)

ASH DOORS AND FRAMES

8" x 8"	\$ 2.10
8" x 10"	2.40
10" x 12"	4.00
12" x 15"	7.75
16" x 20"	13.20

ASH DUMPS

10" x 10"	\$1.40
8" x 8"	1.00

FLUE THIMBLES

6"	\$1.00
7"	1.25
8"	1.50
9"	1.80
10"	2.20
12"	3.25

#2 FURNACE CHECK DAMPERS

All sizes	\$1.75
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PAGE 69 (Continued)

STOVE PIPE WIRE

#18 Black — 12 lb. stone . . .	\$3.50
Galvanized — 12 lb. stone . . .	3.80

STOVE PIPE DAMPERS

3"	\$0.35
4" . . . . .	.38
5" . . . . .	.40
6" . . . . .	.45
7" . . . . .	.70
8"	1.00
9"	1.40
10"	1.65
12"	2.70

HEAVY CAST IRON SMOKE PIPE
FURNACE DAMPERS

8"	\$0.67
9"	1.00
10"	1.25
#2 Clinker Tong	\$3.00

FURNACE POKERS

48" long	\$1.00
60" long	1.30
Adams Ash Remover for Stokers	3.00

WATER COILS

20'	\$1.50
22'	1.60
24'	1.90
26'	2.15
30'	2.20

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ROUND FURNACE BRUSHES WITH
HANDLES

S441B 4"	\$1.80
S441C 4 1/2"	1.90
S441D 5"	2.00
S442B 4"	1.50
S442C 4 1/2"	2.00
S442D	2.20

ROUND FLUE BRUSHES

#S433 1"	\$1.50
#S433 2"	1.40
#S433 3"	1.40
#S433 4"	1.80

ROUND FLUE BRUSHES

S432 1"	\$1.30
S432 2"	1.35
S432 3"	1.30
S432 4"	1.60

DOUBLE STEM BOILER BRUSHES

S393	\$1.50
S394	2.60
S395	3.60

MOLLY SCREW ANCHORS

4S	C \$5.40
4L	C 5.50
6S	C 8.30
6L	C 8.45
8S	C 8.60

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8L C 8.75

TOWNSEND RIVETS —

(Current Market Prices apply.)

STOVE BOLTS —

Flat Head or Round Head

3/16" x 1/2"	C \$0.92
3/16" x 3/4"	C .98
3/16" x 1"	C 1.07
3/16" x 1-1/4"	C 1.16
3/16" x 1-1/2"	C 1.28
3/16" x 1-3/4"	C 1.53
3/16" x 2"	C 1.62
3/16" x 2-1/4"	C 1.82
3/16" x 2-1/2"	C 2.02
3/16" x 3"	C 2.35

1/4" x 1/2"	C 1.44
1/4" x 3/4"	C 1.57
1/4" x 1"	C 1.67
1/4" x 1-1/4"	C 1.82
1/4" x 1-1/2"	C 1.97
1/4" x 1-3/4"	C 2.15
1/4" x 2"	C 2.26
1/4" x 2-1/4"	C 2.56
1/4" x 2-1/2"	C 2.71
1/4" x 3"	C 2.98

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PARKER-KALON TYPE 'A' SCREWS

Less than 100 gross	
in Standard Packages	42%
100 gross and over	
in Standard Packages	56%
15,000 and over	
in Bulk (use Bulk List	19%

PARKER-KALON MASONRY NAILS

3/32" x 1/2"	per 100 \$0.45
1/8" x 3/4"	per 100 .68
5/32" x 1"	per 100 .87
3/16" x 1-1/4"	per 100 1.18
1/4" x 1-1/2"	per 100 1.78
1/4" x 2"	per 100 2.08
1/4" x 2-1/2"	per 100 2.45

ROMEX CABLE — 250 FT. PER COIL

#14-2 . . per 1000 ft. full coil	\$24.11
#14-3 . . per 1000 ft. full coil	46.42
#12-2 . . per 1000 ft. full coil	31.14
S12-3 . . per 1000 ft. full coil	53.92

ARMORED BX CABLE —
250 Ft. Per Coil

	Less than Coil per M ft.	Full Coil per M ft.
#14-2	\$ 71.50	\$ 65.00
#12-2	92.57	84.15
#10-2	159.89	145.35
#14-3	105.19	95.63
#12-3	134.64	122.40

LOW VOLTAGE THERMOSTAT
WIRE-COTTON

	Less than Spool per M ft.	Full spool per M ft.
#18-2	\$15.85	\$13.80
#18-3	22.20	19.30
#18-4	30.40	26.45

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PLASTIC THERMOSTAT CABLE —
500 Ft .Spool

	Less than Spool per M ft.	Full spool per M ft.
#18-2	\$11.42	\$ 9.93
#18-3	16.41	14.27
#18-4	22.23	19.33

CONNECTORS

#7316	50 or less	\$ 9.80
	50 to 499	9.05
	500 & Over	7.85
#240 T & B	100 or Less	10.14
	100 to 999	7.93
	1000 or Over	6.34
#7380	25 or Less	22.70
	25 to 99	20.85
	100 & Over	18.15

STAPLES

#R100	Insulated Staples 5/8"	
	100 per package . . \$.20
#1125	Cable Staples . per 100	.25

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NET PRICES AS SHOWN

PAGE 73

NET PRICES AS SHOWN

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WISS SNIPS

#10	\$3.50
#9	3.83
#8	4.40
#7	4.67
#6-1/2	5.17
#19	4.00
#18	4.63
#17	4.83
#5	5.50
#A-16	3.81
#9CB	5.67
#J7-Curved	1.80
#J7-Straight	1.80
#2A Pexto Double Cutting Shears	6.75
#55 Double Cutting Snips	4.90

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#M1 Wiss Metal Master Snips .	\$2.83
#M2 Wiss Metal Master Snips .	2.83
#M3 Wiss Metal Master Snips .	2.83
#M5 Wiss Metal Master Snips .	2.83
Plastic Grips	pr .23
#2 Riveting Hammer	2.40
#3 Riveting Hammer	2.00
#4 Riveting Hammer	2.00
#3 Setting Hammer	2.40
#RH-4 Hammer	4.45
#RH-4E Hammer	3.55
#SH-3 Hammer	4.65
#SH-3B Hammer	3.85
#0 Pexto Hand Groover	2.20
#2 Pexto Hand Groover	2.50
#4 Pexto Hand Groover	2.10
#C-1 Hand Crimper	3.95
#N-1 Hand Crimper	5.45
#SL-1 Snap-Lock Punch	4.95
#2 DH Pipe & Duct Holder . .	3.95

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#793 Handy Seamer	\$ 4.40
#S-2 Hand Seamer	5.95
#12 Folding Tool	1.65
#8 Folding Tool	1.25
#A-1 Scratch Awl each	.35
#A-1 Scratch Awl . . . dozen	4.20
#5 Whitney Jr. Punch & Die Set . . .	11.00
10" Toledo Wrench	3.90
14" Toledo Wrench	5.45
RG-4 Chain Wrench	4.95
Challenger Hack Saw . . .	2.96

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JB90F Boiler and Furnace
Vacuum Cleaner . \$127.60
(terms offered)

**GREYHOUND PORTABLE SPOT
WELDERS**
Write for Prices.

PAGE 78

EVANS FILTERS

	1 Toll	12 or More
15" x 20" x 1"	\$5.70	\$5.10
16" x 20" x 1"	6.06	5.40
16" x 25" x 1"	6.87	6.15
20" x 20" x 1"	6.87	6.15
20" x 25" x 1"	8.00	7.20
15" x 20" x 2"	6.68	6.00
16" x 20" x 2"	7.15	6.40
16" x 25" x 2"	8.12	7.25
20" x 20" x 2"	8.12	7.25
20" x 25" x 2"	9.43	8.45

(Other sizes also available.)

VERNCO FILTER
Priced as shown.

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DUST STOP FILTERS
Priced as shown.

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ASBESTOS PAPER

50 lb. rolls 18" wide . . .CWT	\$13.25
10 lb. Handy Rolls - 1 to 11 rollsRoll	.59
Over 11 rollsRoll	.51

ASBESTOS ROLLBOARD

1/8" 50 lb. rollsCWT	\$17.30
1/8" 100 lb. rolls . . .CWT	17.30
1/16" 50 lb. rollsCWT	16.00
1/16" 100 lb. rolls . . .CWT	16.00

ASBESTOS PAPER TAPE

	Less Than Pkg.	Full Pkgs.
2"	\$0.40 roll	\$0.34 roll
3"59 roll	.51 roll

AIR CELL CORRUGATED PAPER
250 sq. ft. rolls \$10.20 roll

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ASBESTOS

MILLBOARD

	Full Carton Per Sheet	Less than Carton Per Sheet
1/8" x 42" x 48"	\$1.40	\$1.50
3/16" x 42" x 48"	2.04	2.19
1/4" x 42" x 48"	2.70	2.90
1/2" x 42" x 48"	4.90	5.25

HAIR FELT

1" (150 sq. ft. roll) . . . \$0.315 sq. ft.

WICK ROPE AND PACKING

1 lb. Balls \$1.20
25 lb. Reels Price on request

COLD WATER PASTE

1 lb. bag	bag \$0.24
2 lb. bag	bag .45
5 lb. bag	bag 1.00
15 lb. pail	pail 3.25

ASBESTOS INSULATING CEMENT

7M Cement - 100 lb. bag 1 to 2 bags	bag \$4.55
3 to 6 bags	bag 4.30
7 to 25 bags	bag 4.10
26 bags & over	bag 3.90

#303 Cement - 50 lb. bag

1 to 6 bags	bag \$3.30
6 bags & over	bag 3.15

#MW - 50 Cement - 50 lb. bag

1 to 10 bags	bag \$5.65
11 to 25 bags	bag 5.40

10 lb. carton each \$0.80
Case of 6 case 3.90

FURNACE CEMENT

	Ea.	Doz.
1 lb. can	\$0.20	\$2.00
2 lb. can . . . . .	.30	3.10
5 lb. can . . . . .	.60	6.50
10 lb. can	1.15	12.50

(Other sizes also available.)

INSUL-TAPE

\$1.15 box carton \$13.10

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PIPE COVERING

3-ply Air Cell	list less 48%
4-ply Air Cell	list less 43%
3/4" Wool Felt	list less 38%
1" Wool Felt	list less 26%

85% MAGNESIA PIPE COVERING

. list plus 22%

ANTI-SWEAT PIPE COVERING

1/2" thick	list less 35%
3/4" thick	list " 28%
Double 1/2" thick	list " 22%
Double 3/4" thick (use 1-1/2" thick list prices)	list less 22%

MAGNESIA BLOCK

1" x 6" x 36"	sq. ft. \$0.318
1-1/2" x 6" x 36"	sq. ft. .477
2" x 6" x 36"	sq. ft. .636

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CANVAS

4 ounces	yd. \$0.30
6 ounces	yd. .45
8 ounces	yd. .60

FIBERGLAS LOW PRESSURE PIPE COVERING

. list less 10%

FIBERGLAS PIPE COVERING WITH CANVAS

. list plus 22%

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**B. F. GOODRICH MOLDED CELL-
TITE TUBING INSULATION**
Priced as shown.

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DUCT SECTIONS - GROOVED

Inside Dimensions	Broken Carton	1 - 9 Cartons	10 Cartons to Carload
8x8x1-48"	\$5.78/pc.	\$5.25/pc.	\$4.42/pc.
10x14x1-48"	8.05/pc.	7.32/pc.	6.15/pc.
12x16x1-48"	9.15/pc.	8.34/pc.	7.00/pc.

TYPE Y UNSCORED BOARDS

Size	Broken Carton	1 - 9 Cartons	10 Cartons to Carload
1"x48"x48"	6.60/pc.	6.00/pc.	5.05/pc.
*1"x48"x72"	9.90/pc.	9.00/pc.	7.55/pc.
*1"x48"x96"	13.20/pc.	13.00/pc.	10.10/pc.

*In stock. Allow 14 days for delivery on other sizes.

TYPE ROUND DUCT

Inside Diameter	Broken Carton	1 - 9 Cartons	10 Cartons to Carload
4"	\$0.82 ft.	\$0.75 ft.	\$0.63 ft.
5"	1.02 ft.	.93 ft.	.78 ft.
6"	1.08 ft.	.99 ft.	.83 ft.
7"	1.19 ft.	1.09 ft.	.91 ft.
8"	1.37 ft.	1.25 ft.	1.05 ft.
9"	1.57 ft.	1.41 ft.	1.18 ft.
10"	1.63 ft.	1.49 ft.	1.25 ft.
12"	2.15 ft.	1.96 ft.	1.65 ft.
14"	2.39 ft.	2.18 ft.	1.83 ft.

* - Made to Order Size - Minimum Order, 25 Cartons of Any One Item.

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1/2" Mat Faced Flex Duct Lomer per M sq. ft.	\$129.73
1" Mat Faced Flex Duct Lomer - per M. sq. ft.	\$216.36

INSULATION HANGERS AND NAILS

AN Anchor Nails	\$33.33 M
IHB Hangers	32.00 M
IHC Hangers	36.00 M
W Gemco Washers	9.33 M
WA Gemco Washers	10.67 M
Miracle Anchor Adhesive	4.75 Gal.

PAGE 84 (Continued)

P6-8 Bostitch Stapler.	11.50
T5-8 Bostitch Stapler.	12.50
STH 5019 3/8" Staples	
carton of 5000	2.95
STCR 5019 1/2" Staples	
carton of 5000	3.40

PAGE 85

Write for special Price Sheets designating type of insulation wanted.

PAGE 86**POLYETHYLENE FILM**
.004 Mil - Clear or Black

4' x 100'	M sq. ft. \$12.00
10' x 100'	M sq. ft. 12.00
12' x 100'	M sq. ft. 12.00
14' x 100'	M sq. ft. 12.00
16' x 100'	M sq. ft. 12.00
20' x 100'	M sq. ft. 12.00

.006 Mil - Clear or Black

10' x 100'	M sq. ft. \$19.50
12' x 100'	M sq. ft. 19.50
16' x 100'	M sq. ft. 19.50
20' x 100'	M sq. ft. 19.50

(Other widths also available.)

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Krak-Stick.	each \$0.40
Krak-Stick.	dozen 3.82
Flux-Stick.	each .27

PAGE 87 (Continued)

Flux-Stick.	dozen 2.73
Oyltite-Stick	each 1.25
Oyltite-Stick	6 to 24 each 1.00

SOLDER

Sold at prevailing Market Price.

FLUXOLDER SOLDER

1/2 lb. cans	each \$1.65
1 lb. cans	each 2.75

LA-CO FLUX FOR CHROME

4 oz. Paste	each \$0.50
Dozen Lots	each .40

RECTORSEAL

1/4 pt. Brush Top.	each \$ 0.54
Carton of 24	11.20
1/2 pt. Brush Top.	each .85
Carton of 24	17.60
1 pt. Brush Top	each 1.30
Carton of 12	14.80
1-1/2 oz. Tube	ea. .39
Carton of 72	24.00

PAGE 88**ADHESIVE**

#81-71 1 Gallon	gal. \$2.95
#81-71 5 Gallons	gal. 2.75
#81-71 55 Gallon Drums	gal. 2.55

TUFF BIND

#7 5 Gallons	gal. \$2.75
------------------------	-------------

INSULATION TAPE

		2 Inch	3 Inch
#P691	Silver	\$4.02	\$6.03
#P691	Black	4.02	6.03
#P641	Cotton	2.64	3.96
#MP26	Tape	2.60	3.90

PAINTS

#1000 Exterior Aluminum			
1/2 Pt. \$0.00	Qt. \$1.34	Gal. \$4.59	
#2000 Heat Proof Aluminum			
1/2 Pt. \$0.40	Qt. \$1.19	Gal. \$3.98	
#9000 General Purpose Aluminum			
1/2 Pt. \$0.85	Qt. \$1.49	Gal. \$4.90	
Tinners Ped	Gal. \$3.20		
Tinners Green	Gal. \$3.75		

Z-BRICK	Less Than 10 Cartons	10 - 49 Cartons	50 & Up Cartons
Desert Red	\$7.20/ct.	\$6.65/ct.	\$6.25/ct.
Sunset Gold	7.20/ct.	6.65/ct.	6.25/ct.
Lake Green	8.00/ct.	7.40/ct.	7.00/ct.

Z-BRICK ADHESIVE	Per Can	Full Cartons
Quarts (12/carton)	\$2.20/Qt.	\$1.95/Qt.
Gallons (6/carton)	6.60/gal.	5.95/gal.

Private Eye	\$4.36
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OSCAR P. BRAUER
President



A. G. BRAUER
Founder
1881-1932



Wm. H. BRAUER
Exec. Vice-Pres.

PROGRESS CATALOG

JUNE 1, 1959

To Serve You Better

Our 78 years of Progress and Service is our assurance to you of our continued ability to keep abreast of progress and to fulfill your needs. Throughout the years, our fundamental policies have been and will continue to be basic - - - Honesty, Sincerity, Integrity and Fair Dealing.

Our policy is to sell our merchandise only to the Retailer or Trade engaged in selling and installing.

We are grateful indeed for our many customers and friends and for their patronage and friendly relations. We will continue to work to merit your good will in the future.

Brauer Supply Co.

2100 Washington Ave.

St. Louis 3, Mo.

CH 1-0445

*The Complete Heating and Air Conditioning
Supply House*

FEATURING . . .

AMERICAN-Standard

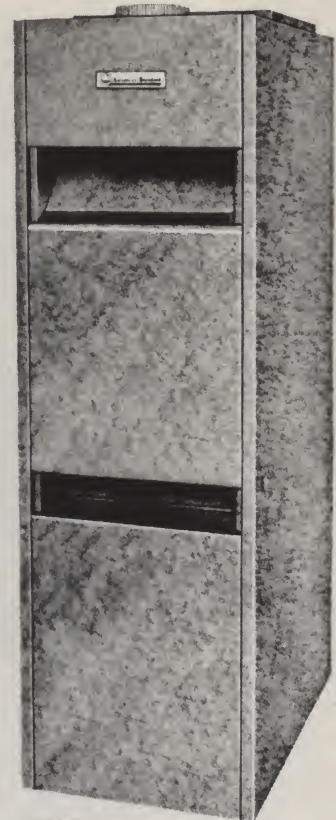
YEAR-ROUND *Air-Conditioning*



COUNTERFLOW
MODEL GCA



BASEMENT
MODEL GLA



UTILITY
MODEL GUB

You get more out of American-Standard winter air conditioners because American-Standard puts more *into* them. Before you even look at the internal features, you can see the amazing *compactness* of design that puts these units years ahead of other furnaces . . . see the specially fabricated jackets, that make for neater appearance, greater structural strength . . . see the handsome, super-durable, hard-baked Forge Red enamel finish . . . see American-Standard's Mark of Merit — one of the world's most famous quality labels.



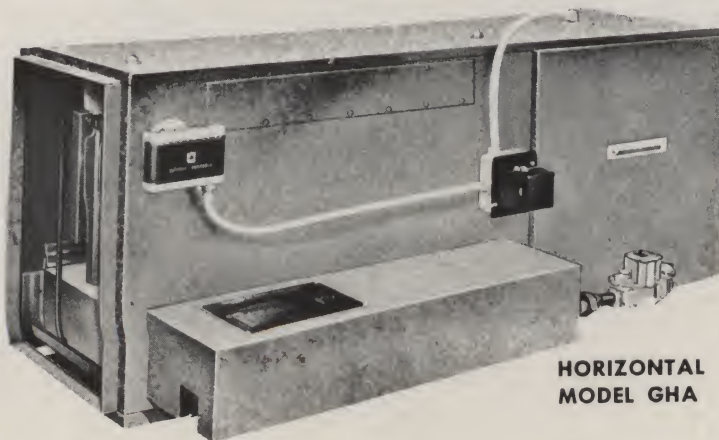
AMERICAN-Standard
AIR CONDITIONING DIVISION

OIL MODELS

GAS MODELS

COAL MODELS

**FOR EVERY
TYPE OF
INSTALLATION**



HORIZONTAL
MODEL GHA

WRITE FOR FREE CATALOG

FEATURING . . .

AMERICAN-Standard

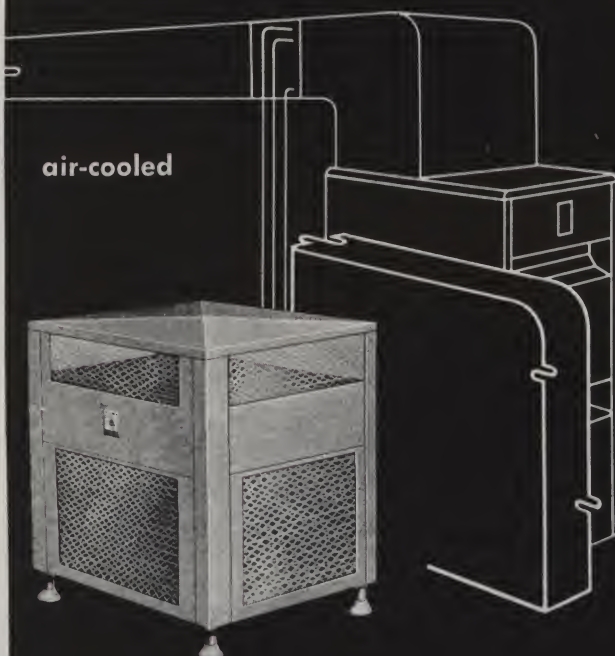
 YEAR-ROUND *Air-Conditioning*

**HERE'S THE AIR-COOLED SYSTEM
THAT AIR CONDITIONS
ENTIRE HOUSE**

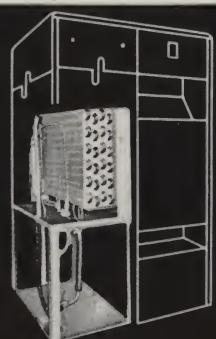
No water supply needed!

No operating mechanism inside house!

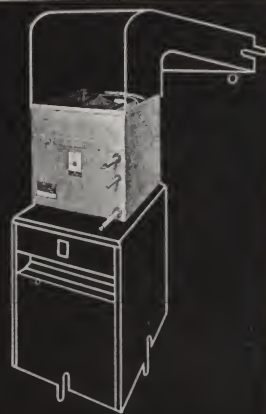
No indoor floor space needed!




air-cooled



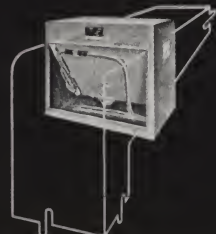
year round




vertical air flow



blower equipped



horizontal air flow



counterflow

air-cooled

AC-2, 3A

AC-5B

easily connected to new or existing forced warm air heating systems in conjunction with American-Standard vertical, horizontal or counterflow evaporator units—all mechanical operating parts are located outside the house—uses only electricity and air—no water required—air distribution handled by furnace or evaporator blower—thermostat provides automatic control of cooling—specially processed steel jacket finished with weather-resistant enamel—refrigerant circuit covered by American-Standard Air Conditioning Division five year protection plan

standard equipment: condensing unit consisting of compressor—condenser—receiver—condenser fan(s)—condenser fan motor(s)—weather-proof control box housed in galvanized steel processed jacket—condensing unit control box contains pressure controls—magnetic contactor—starting relay and capacitors—relay control panel for remote indoor location also provided—only additional control necessary is system thermostat listed below

optional equipment: low voltage cooling only thermostat with heat interlock—low voltage combination heat-cool thermostat

GAS FIRED

MERIDIAN

OIL-FIRED

YOUR BEST BUY IN WARM AIR UNITS



G-64 U



G 60-U WITH
RETURN AIR CABINET

MODEL	AGA RATING PER HOUR		BLOWER	MOTOR
	BTU INPUT	BTU OUTPUT	Dia. Width	
G64U	80,000	64,000	9-7/8 7-11/16	1/8 H.P. Int. S.P.
G80U	102,000	81,600	9-7/8 10-5/16	1/6 H.P. Int. S.P.
G100U	125,000	100,000	10-7/8 11-3/8	1/4 H.P. Split P.

MODEL	FILTER	C.F.M. AGAINST 2" Ext.St. Pr.	FLUE PIPE	APPROX. Shp. Wt.
G64U	16x20x1	700-800	4"	162 lbs.
G80U	20x20x1	750-1000	5"	197 lbs.
G100U	20x25x1	850-1100	6"	245 lbs.

MODEL	WIDTH	DEPTH	HEIGHT	W.A. Plenum	Return Plenum
G64U	14"	22½"	58"	12¼"x16"	18"x6"
G80U	18½"	22½"	58"	16¾"x16"	18"x8"
G100U	21¼"	25½"	55½"	19½"x16"	22½"x18"

Finest in Automatic Controls are available – Burners and Controls are completely enclosed.

Meridian's exclusive design has eliminated creaking, groaning and ticking expansion noises.

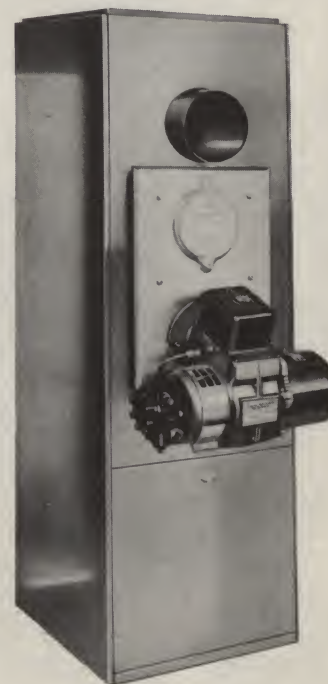
MODEL	B.T.U. Bonnet	Blower size Diameter	Motor size	C.F.M. against .2" Ext. St. Pr.
O-75 -U, B&C	75,000	9-15/16"	1/6 H.P.	800
O-85 -U, B&C	85,000		Integral	900
O-100-U, B&C	100,000	10-7/8"	1/4 H.P.	1050
O-110-U, B&C	110,000			1200

-U indicates Hi-Boy -B indicates Lo-Boy (basement)
-C indicates Counterflow

MODEL	W	D	H	E	Sup- ply	Return
All Hi-Boys	20½"	25⅝"	62"	53½"	23⅞"x 18¾"	18x 22½"
All Lo-Boys	20½"	45"Std. 63"DeLuxe	42"	32⅝"	24⅜"x 18¾"	18⅞"x 18¾"
All Counter- flow	20½"	25⅝"	62"	31⅝"	16½"x 21½"	23⅞"x 18¾"



O-110 B



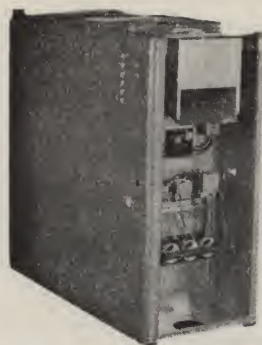
O-110 U

Manufactured by Syncromatic, for 25 years builders of outstanding heating equipment. Ten Year guarantee on Heat Exchanger.

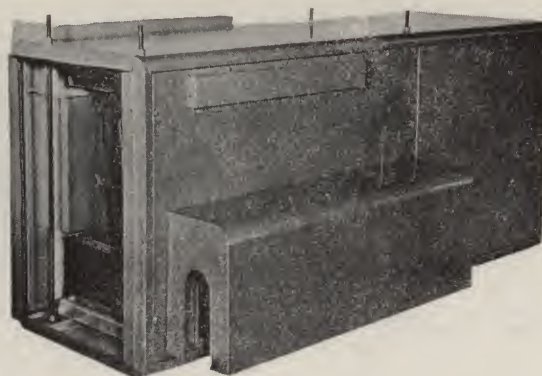
Construction throughout. Precision die-built Heat Exchanger is machine welded into a gas tight, flame tight integral unit.

Synchromatic

OIL OR GAS FIRED FURNACES



STANDARD LO-BOY



DELUXE LO-BOY

MODEL NO.	Input	Shipping Wt.
*GF-80-S	80,000	240 lbs.
*GF-100-S	100,000	250 lbs.
GF-125-S	125,000	312 lbs.
GF-150-S	150,000	347 lbs.

MODEL	Input	Weight
G-48-S	60,000	220 lbs.
G-64-S	80,000	265 lbs.
G-80-S	100,000	270 lbs.
G-96-S	120,000	310 lbs.
G-112-S	140,000	335 lbs.

MODEL	Input	Weight
GF-80-D	80,000	278 lbs.
GF-100-D	100,000	286 lbs.
GF-125-D	125,000	353 lbs.
GF-150-D	150,000	385 lbs.

Standard Equipment includes: Heat Exchanger, Casing, Thermostat, Automatic Gas Valve, Pilotstat, Combination Fan and Limit Control, Transformer, Pressure Regulator, Blower Motor, Filter and Built-In Draft Diverter.

* Do not have external Shut-Off Valves but are Standard 100% Pilot Shut-Off for Natural and L.P. Gases.

If external Shut-Off Valves (main and pilot valves and pilot tubing) are required on GF-80-S and GF-100-S—add \$2.35

If 100% Pilot Shut-Off is required for natural gas on GF-125-S and GF-150-S add \$1.00

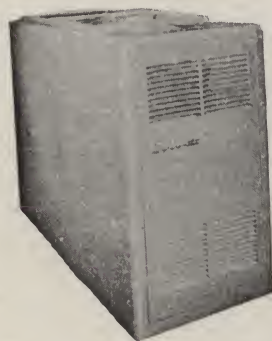
For M.H. T-86 Thermostat — Add \$3.70

For M.H. Fan and Limit Control — Add \$3.15

Deluxe equipment includes 14 gauge heat exchanger, casing, all Minneapolis-Honeywell controls, including thermostat, gas valve, pilotstat, combination fan and limit control, transformer, pressure regulator, blower, blower motor, filter, built-in draft diverter and external Shut-Off Valves (main and pilot valves and pilot tubing). If 100% Pilot Shut-Off is required for natural gas on GF-125-D and GF-150-D — Add \$1.00

MODELS G-48-S, G-64-S & G-80-S Direct Drive Blower Include:

White Rodgers Cushioned Silent Valve 25D46, White Rodgers B-07 Pilot Burner, White Rodgers 30A46 Combination Thermocouple and Relay, General Controls 480D Fan and Limit, Thermac or General Controls Regulator, and T114B Thermostat. Deduct \$12.00 from 16 gauge price.



"700" Series

OIL BURNER

MODEL	B.T.U. BONNET	G.P.H. INPUT	BLOWER DIAMETER	MOTOR H.P.	SHIPPING WT. LESS BURNER
0-708	85,000	.85	9-15/16	1/6 H.P.	430 lb.
0-708AC	85,000	.85	10- 7/8	1/4 H.P.	440 lb.
0-710	110,000	1.00	10- 7/8	1/4 H.P.	440 lb.
0-710AC	110,000	1.00	12-15/16	1/3 H.P.	460 lb.
0-712	135,000	1.20	12-15/16	1/4 H.P.	500 lb.
0-712AC	135,000	1.20	14- 3/16	1/2 H.P.	520 lb.
0-715	150,000	1.35	12-15/16	1/3 H.P.	520 lb.
0-715AC	150,000	1.35	14- 3/16	1/2 H.P.	550 lb.

Note: Units purchased "Less Burner" include furnace body, oil refractory installed, complete casing, blower and blower motor, all completely assembled and cartoned. "With Burner" price includes gun type oil burner, constant ignition relay, fan and limit switch and thermostat.

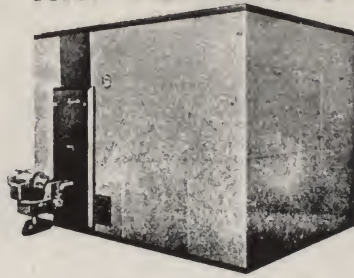
Syncromatic

HI-CAP

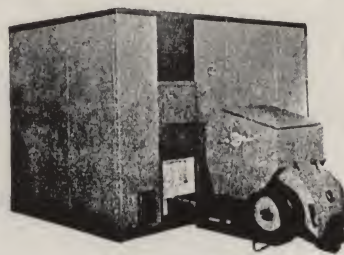
STEEL FORCED WARM AIR FURNACES FOR OIL - GAS - COAL



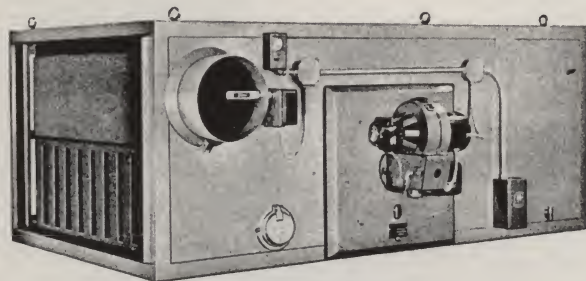
OFB Oil Fired



GFB Gas Fired



CFB Stoker Fired
(Hand-Fired Also Available)



Available for burning oil, gas, coal — easily converted. Gas models AGA approved. Nationally advertised. Get the facts and you'll go Syncromatic!

Typical industrial furnace for schools, churches, public and commercial buildings. Oil; gas, stoker or hand-fired. From 330,000 to 1,000,000 BTU. Don't miss this big market.

HI CAP SERIES - OIL FIRED

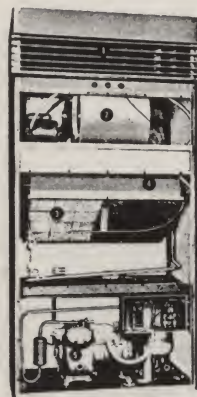
MODEL NO.	Bonnet B.T.U.	Weight less standard refractory With Burner	Less Burner
OFB-33	330,000	3300 lbs.	3150 lbs.
OFB-40	400,000	3300 lbs.	3150 lbs.
OFB-45	450,000	3380 lbs.	3230 lbs.
OFB-50	500,000	3790 lbs.	3640 lbs.
OFB-55	550,000	3840 lbs.	3690 lbs.
OFB-60	600,000	3840 lbs.	3690 lbs.
OFB-70	700,000	4580 lbs.	4430 lbs.
OFB-80	800,000	4840 lbs.	4690 lbs.
OFB-90	900,000	5330 lbs.	5180 lbs.
OFB-100	1,000,000	5480 lbs.	5330 lbs.

HI CAP SERIES - GAS FIRED

MODEL NO.	Natural—Manufactured—Mixed—LPG Input	Output	Weight less With Burner	Standard Refractory Brick
GFB-33	412,500	330,000	3325 lbs.	944 lbs.
GFB-40	500,000	400,000	3325 lbs.	944 lbs.
GFB-45	560,250	450,000	3415 lbs.	914 lbs.
GFB-50	625,000	500,000	3825 lbs.	1158 lbs.
GFB-55	687,000	550,000	4000 lbs.	1158 lbs.
GFB-60	750,000	600,000	4000 lbs.	1158 lbs.
GFB-70	875,000	700,000	4735 lbs.	1921 lbs.
GFB-80	1,000,000	800,000	5000 lbs.	1921 lbs.
GFB-90	1,125,000	900,000	5500 lbs.	2069 lbs.
GFB-100	1,250,000	1,000,000	5635 lbs.	2069 lbs.

AMERICAN BLOWER PACKAGED AIR CONDITIONERS

Ruggedly designed for years of trouble-free performance



- Plenum.** Minimum height to fit into limited spaces. Outlet grille has horizontal and vertical louvers to control air distribution. No special tools needed for adjustment. Designed for optimum velocity at low fan speeds.
- Fan.** Centerplate construction eliminates turbulence; wheel and housing integrally designed; large outlet area, low-speed operation. Fan size specially selected for each size unit, for peak performance with plenum or duct work.
- Filter.** Permanent-type. Large face area gives maximum cleaning; permits low fan speeds. Low air resistance results in more air per horsepower, smaller electric

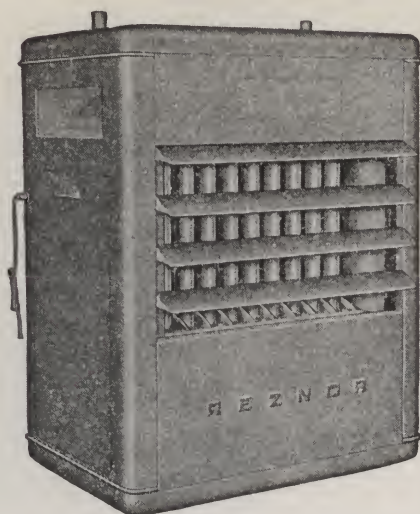
bills. Condensate runs through filter to wash away dust, dirt; provides self-cleaning action for less variation in air flow.

Cooling coils. Copper coils with spiral aluminum fins, sloped and staggered to give greatest air-coil contact. Because air is drawn through coils, not blown through, every square foot of coil is utilized for more cooling capacity.

Compressor. Motor and compressor hermetically sealed in rigid casing; spring-mounted to absorb vibration. Require no oiling, adjusting, seasonal pumpdown. Triple-valve design for quietness. Five-year warranty.

UNIT SIZES:		3C7	5C7	8C7	10C7 & 10D7	15D7	20D7
HEIGHT		72"	72"	74"	74"	80"	80"
HEIGHT (with plenum)		85¾"	85¾"	87¾"	87¾"	96"	96"
DEPTH		24"	24"	30"	30"	31¼"	31¼"
WIDTH		42"	42"	50"	66"	84"	108"
COMPRESSORS:	Number	1	1	1	1 2	2	2
	Motor Horsepower	3	5	7½	10 2-5	2-7½	2-10
FILTERS:	Number	2	2	2	2	3	4
	Size	17½" x 17½"	22" x 17½"	21½" x 27½"	27½" x 29½"	30" x 25¼"	30" x 25¼"
NOMINAL CAPACITY, TONS		3	5	7½	10	15	20
NOMINAL CFM		1200	2000	3000	4000	6000	8000

Reznor gas UNIT HEATER



CONSTRUCTION

All controls, motors, devices, etc., used in Reznor heaters and made by other manufacturers are purchased from the recognized "leaders" in each particular field. They are tops in performance, service and dependability.

1. Exchanger Sections — Seam welded aluminized steel Resists indefinitely corrosion from products of combustion.

2. Header Plates — Cast iron; cemented and friction-wedged onto plates under 3,000 pounds pressure.

3. Combustion Chamber — 12-gauge furnace steel.

4. Draft Diverter—Built-in, balanced type with side relief openings. Roll-away diverter shape prevents condensation seepage into exchanger sections.

5. Burners—One piece, raised port, precision machined of heat and warp resistant close-grained grey iron.

6. Manifold — Orifices and air regulators matched to gas specifications.

7. Air Adjustment—Horizontal shutter of "non-clog" design.

8. Pilot—Annular pilot and thermocouple socket.

9. Control Manifold—Completely removable unit connected on both ends by unions.

10. Limit Control — Preset to protect life of heater. Shuts off gas in case of over temperature.

11. Fan — Quiet, static and dynamic balanced.

12. Motor—Top name, oversize, resilient-mounted, dependable service.

13. Motor Support—"Bridge Girder" design of light, strong pressed steel.

14. Fan Control—Delays operation of fan until heater is warmed (as fan is independent of room thermostat, it will run as long as unit is warm).

18. Case — Auto body steel, finished in gray-green Perlite.

19. Louvers—Individually adjustable, air-stream style. Vertical louvers available for suspended model.

Blower Assembly — Blowers are of highly efficient, double inlet, squirrel cage type, rubber cushion mounted.

A. G. A. approved and complete with 18 gauge aluminized steel heat exchanger tubes; cast iron burners; 12 gauge furnace steel combustion chamber; built-in aluminized steel draft diverter, adjustable louvers; summer/winter switch; automatic fan and limit control; safety pilot valve with 100% shut off of the thermocouple

type; electric solenoid valve; pressure regulator with ball check leak limiting device; manual main and pilot cocks; fan and motor. US models—115 volt (no thermostat). LUS models—24 volt (thermostat included). All motors as standard equipment are overload or high impedance protected.

NO.	INPUT BTU	OUTPUT BTU	OUTPUT EDR	AIR DELIVERY CFM VEL	FAN DIA.	DEGREE PITCH	MOTOR HP	MOTOR RPM	TOTAL† WATTS	SHIP. WT.	GAS‡ CON.
LUS & US 25F	25,000	20,000	87	400 410	12	15	1/125	1000	38	112	1/2
LUS & US 50F	50,000	40,000	173	620 635	12	31	1/80	1000	70	154	1/2
LUS & US 75F	75,000	60,000	260	1000 570	15	25	1/40	1000	100	194	1/2
LUS & US 100F	100,000	80,000	346	1200 685	15	25	1/40	1000	100	234	1/2
LUS & US 125F	125,000	100,000	432	1600 915	15	34	1/20	1000	130	293	1/2
LUS & US 150F	150,000	120,000	519	1850 1055	15	38	1/8	1140	150	337	3/4
LUS & US 175F	175,000	140,000	605	2400 1180	18	36	1/6	1140	280	394	3/4
LUS & US 201F	200,000	160,000	692	2700 1060	18	36	1/6	1140	290	415	3/4
LUS & US 225F	225,000	180,000	783	2700 1060	18	36	1/6	1140	290	415	3/4
LUS & US 250F	250,000	200,000	865	3200 960	(2) 15	38	1/4	1725**	360	548	3/4
LUS & US 300F	300,000	240,000	1038	3840 995	(2) 18	30	1/3	1725**	550	661	1

† Watts shown include motor and coil. When figuring thermostat loads allow for only automatic electric valve load of 15 watts per unit. Motor load is carried through fan switch.

*Motor is 1725—Fan runs 1140.

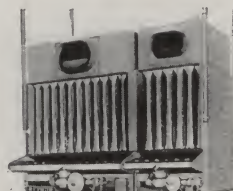
**Motor is 1725—Fan runs 1140.

‡Natural gas. All LP are 1/2". Does not indicate size of supply line. Gas pipe supply line sizing furnished upon request.



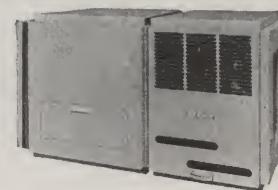
Model D: Duct Furnace

This series is also designed for use in custom-engineered duct heating and heating-cooling systems. The duct furnace produces the heat; air moving equipment and filters are furnished as accessories. Cooling elements and humidifying equipment are installer supplied to meet exact job requirements. The units in this series are of relatively small capacity and are designed for light commercial jobs and residential heating requirements. Four sizes; 50, 75, 100 and 125 thousand BTU



**Model DS:
Sectional Duct Furnaces**

These units are compact, automatic heat exchangers with a complete set of operating controls. They are designed for use in custom engineered duct heating and heating-cooling systems. Four sizes, 150, 200, 250 and 300 thousand BTU. Systems with capacities of 2,500,000 BTU and more can be assembled from these four basic units.



Model DBF: Horizontal Furnace

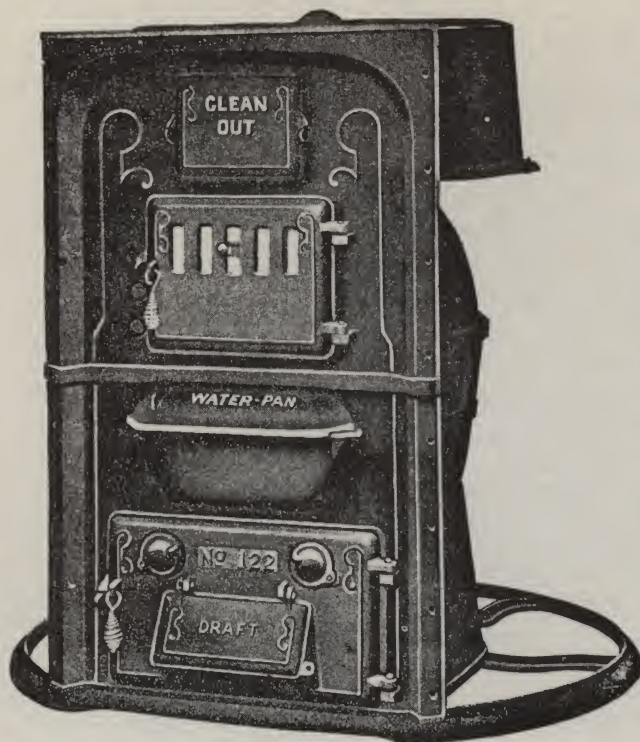
These units factory assembled from "D" heaters and accessories. They are intended primarily for residential and small commercial heating jobs. Because they are the only completely enclosed horizontal furnaces—no exposed controls, no protruding burner, no dangling wires—they are extremely popular for homes where the heating unit must be installed in utility room, basement recreation room, kitchen or other living area. They're also ideally adapted for attic and crawl space installation. Four sizes; 50, 75, 100 and 125 thousand BTU.

Series and Components	BTU Input	115 Volt** (Without Thermostat)	24 Volt* (With Thermostat)
"D" Duct Furnace (furnace only)	50,000 75,000 100,000 125,000	D50 D75 D100 D125	LD50 LD75 LD100 LD125
"DBFF" Central Heater (furnace plus blower, enclosure, filter case) Supersedes PAC models.	50,000 75,000 100,000 125,000	DBFF50 DBFF75 DBFF100 DBFF125	LDBFF50 LDBFF75 LDBFF100 LDBFF125

SEND FOR CATALOGS TODAY

BRAUER SERIES PIPE FURNACE

All Cast Iron Construction



Furnace Number	118	120	122	124	126
Diameter of Fire Pot	18 "	20 "	22 "	24 "	26 "
Diameter of Casing	36 "	40 "	44 "	48 "	53 "
Height of Lower Casing	16 "	18 "	18 "	20 "	20 "
Height of Upper Casing	26 "	26 "	26 "	28 "	30 "
Length of Casing (Laps are allowed for)...	7' 6 "	8' 4 1/2 "	9' 3 "	10' 1/2 "	11' 2 1/2 "
Height of Canopy	15 "	15 "	15 "	15 "	15 "
Stretchout of Canopy (Allow for laps)	9' 5 "	10' 5 1/4 "	11' 6 1/4 "	12' 6 1/4 "	13' 9 "
Diameter of Smoke Pipe	7 "	8 "	8 "	9 "	9 "
Height from Floor to Bottom of Smoke Pipe	33 1/2 "	36 "	36 "	39 "	41 "
Size of Feed Door	9 x 12 "	9 x 12 "	9 x 12 "	10 x 14 "	10 x 14 "
Size of Ash Pit Opening	10 1/2 x 17 "	10 1/2 x 18 "	10 1/2 x 18 "	11 1/2 x 20 1/2 "	11 1/2 x 21 "
Grate Area—Square Inches ..	177	217	272	322	384
Heating Surface—Square Inches ..	3,755	4,387	5,030	5,916	6,697
Ratio Heating Surface to Grate Area	21.2	20.2	18.5	18.4	17.4
Heating Capacity—Square Inches ..	317	381	462	546	637
Shipping Weight—Castings Only—Approximate ...	591	741	817	1027	1214

INSTALLS IN WINDOW OR WALL WITH EQUAL EASE

The versatility of Novent is one of its outstanding features. Put it in a window like an air conditioner or in any outside wall. Both work equally well!

FULLY VENTED
YET
NEEDS NO VENT

The miracle of Novent is that no chimneys, flues or unsightly venting material of any kind is required. Novent has its own highly efficient, built-in venting system that exhausts all odors and combustion products outside.

BURNS NO ROOM AIR

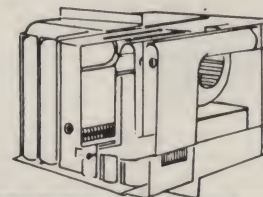
All air for the burner is brought into the unit under pressure in exactly the right amount for proper combustion. None of the oxygen in the living area is used for this purpose.

PUTS HEAT ON THE FLOOR
WHERE IT'S NEEDED

Warm floors, a necessity for winter health and comfort, are a certainty with Novent because its powerful blower system sends the heat directly to the floor first. It is then gently circulated throughout the entire area being heated to provide a uniform level of comfort all winter long.

Novent HEATERS

CUT-A-WAY VIEW OF
SUBURBAN NOVENT



Model No.	BTU Input	Blower CFM	App. Ship. Wt.
N-20	20,000	295	85 lbs.
N-35	35,000	460	110 lbs.
N-45	45,000	460	115 lbs.

Following additional specifications apply to all models: Blower motor operates on 115-volt, 60 cycle (approx. 1/15 HP). Gas fitting, 3/8" female. Color, Copbertone Beige. Robertshaw EA 3 built-in temperature control (or wall thermostat, if specified), solenoid valve, safety pilot, high limit switch and fan switch. All natural and manufactured gas models equipped with pressure regulator and gum pilot filter.

N-20 model — Overall outside cabinet dimensions: Width, 14"; Height, 14 1/2"; Depth, 22 3/4". Front of cabinet extends 7 1/2" from wall or window.

N-35 & N-45 models — Overall outside cabinet dimensions: Width, 19 7/8"; Height, 16 7/8"; Depth, 23 3/4". Front of cabinet extends 8 1/2" from wall or window.

Custom-Aire

GAS-FIRED VENTED RECESSED WALL HEATERS

A Complete Line of
Eleven New Models

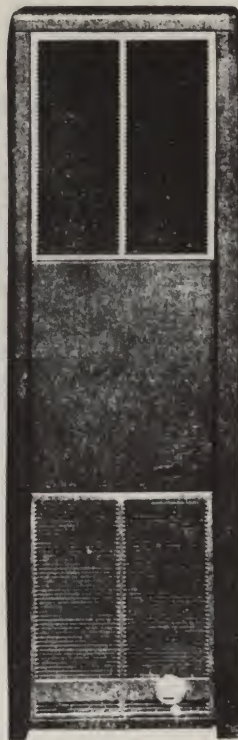
10-YEAR
CONDITIONAL
GUARANTEE ON
HEAT EXCHANGER



A. G. A. APPROVED
FOR

NATURAL GAS
MANUFACTURED
GAS
PROPANE GAS
L. P. GAS - AIR
MIXTURES

SW—Single Wall Register
DW—Dual Wall Register



MODEL NO.	BTU INPUT	APPROX. SHIPPING WEIGHT	SUGGESTED DEALER
N-1417-SW	17,000	70 lbs.	\$45.00
N-1421-SW	21,000	70 lbs.	46.65
N-1425-SW	25,000	84 lbs.	48.75
N-1430-SW	30,000	85 lbs.	51.00
N-1435-SW	35,000	90 lbs.	53.25
N-1435-DW	35,000	120 lbs.	61.35
N-1440-DW	40,000	149 lbs.	63.00
N-1445-DW	45,000	149 lbs.	66.00
N-1450-DW	50,000	151 lbs.	71.85
N-1455-DW	55,000	151 lbs.	75.00
N-1460-DW	60,000	155 lbs.	84.00

Add Extra For Controls

#B60YS General, 100% Safety Pilot
for all gases 26.21
#S110 Robertshaw Grason
Unitrol for all gases 13.30
Heavy Lifetime Heating Element
Fully Vented—No Condensation—Extremely Low Flue
Temperature
Cast Iron Burner Fully Enclosed—No Exposed Flame
Manual or Automatic Thermostat Controls
Entirely Safe—All Manually Operated Heaters
Equipped with Baso 100% Pilot Control

WRITE TODAY FOR NEW ILLUSTRATED
FOLDER SHOWING COMPLETE LINE

Standard equipment includes pressure regulator (for all except L.P.G. models), one-rod No. 841-1 Baso Valve and factory installed solenoid valve. Balance of General Controls T-30 Package Set consisting of transformer, wall thermostat and wire packed underneath the floor grille. Price of T-30 Package Set included in price of Group No. 3.

Cannon U. S. Army Type

All Cast For Coal

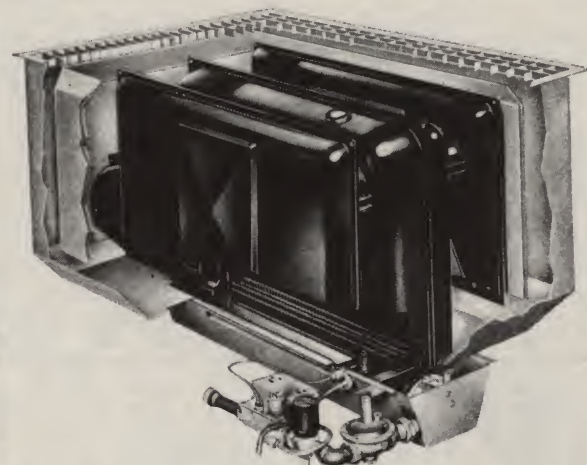
A smooth finish cannon stove. Has shaking and dump grate, slide draft ring, large ash space and flat top with cover hole. Arranged to use sheet steel drum if desired.



Specifications

No.	Diam. Top of Fire Pot	Height	Weight
15	15	44 1/4	250 lbs.
18	18	47 1/2	325 lbs.
20	20	50 1/2	410 lbs.

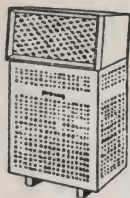
SAMCO GAS-FIRED FLOOR FURNACES



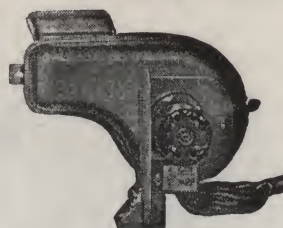
Because of its shallow depth (only 25 1/2" overall) a basement space is not required.

Models No.	5019	7012
Size of Floor Opening	18 1/4 x 34 1/4	24 1/4 x 36 1/4
Grille Size — Overall	20 x 36	26 x 38
Depth Overall	25 1/2"	25 1/2"
Normal Input Rating—B.T.U. Per Hour	50,000	70,000
Normal Output Rating—B. T. U. Per Hour	35,000	49,000
Height — Outlet Flue Pipe Top to Grille	15"	15"
Flue Outlet Diameter	4"	5"
Gas Piping Connection	1/2"	1/2"
Gauge — Ceramic Coated Heat Exchanger	20	18
Burners — Cast Iron — Slot Port Type		
rnners — Porcelain Enameled Steel		Blue Flame
auge — Main Bottom — Galvanized	20	20
Approximate Shipping Weight	150	208

PREWAY STARLINE OIL HEATERS AND ACCESSORIES

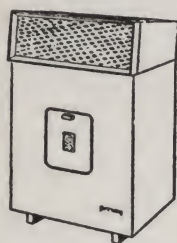
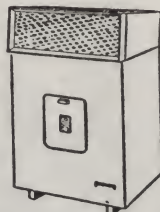


MODEL 420 RADIANT CIRCULATOR
37,700 B.T.U. output. (49,100 B.T.U. input). Autumn brown. Less Model 433 3 gallon tank.



MODEL 45491C FORCED AIR BLOWER UNIT.
Automatic — will fit present and older Circulating Heaters— cannot be used on Radiant Circulators.

MODEL 421 CIRCULATING
56,800 B.T.U. output. (74,600 B.T.U. input). Autumn brown with Lo-Pilot. Less Model 35492 5 gallon tank.



MODEL 422 CIRCULATING
75,450 B.T.U. output. (101,752 B.T.U. input) Autumn brown with Lo-Pilot. Less Model 35492 5 gallon tank.

MODEL 431 CIRCULATING
50,000 B.T.U. Output. Autumn Brown. Less Model 35492 5 gallon fuel tank.



MODEL #108 TRANSAIRE WALL FAN AND GRILLS
Circulates heated air from room to room. Grills to aid complete air circulation. (Plus 5% F.E.T.)

MODEL 35492 5 GALLON TANK
For Models 421, 424, 425, 422, 451, 471 Heaters. Will fit older Circulating Heaters manufactured since 1949.

MODEL 433 3 GALLON TANK UNIT
For Model 420 Heater.

MODEL 55494 OUTSIDE OIL TANK CONNECTION KIT
Consists of 25 ft. coil $\frac{3}{8}$ " copper tubing, combination filter and tank valve, flaring tool and compression nut for connecting outside tank to heater.

MODEL 55493-1 FLOOR BOARD
Underwriters requirements for oil heater installations. Size: $27\frac{1}{2}$ "x $39\frac{1}{2}$ ". Enameled steel over plywood. Finish harmonizes with heaters. Single pack, 1 to carton.

MODEL 55493-6 FLOOR BOARD
Same as above. Six pack, 6 to carton.

MODEL 497 NON-ELECTRIC THERMOSTAT KIT. A. P.
For all heaters listed above and for all heaters with a late model A.P. control valve.

MODEL 498 ELECTRIC THERMOSTAT KIT. A.P. For all heaters listed above and for all heaters with a late model A.P. control valve.

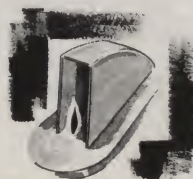
MODEL 499 ELECTRIC OILIFTER
A.P. perfect rotary vane pump for lifting oil from a storage tank to any oil heating unit. Will lift 25 ft. vertically or 100 ft. horizontally. Fully automatic, 115 volts, 60 cycles, U.L. approved. Inlet $\frac{1}{4}$ " N.P.T. tap. Outlet $\frac{1}{4}$ " N.P.T. tap. Less extension cord and plug.

SPECIFICATIONS:

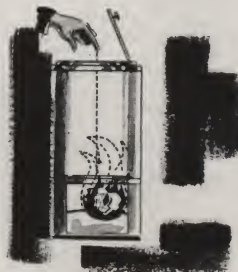
	MODEL 421 - 424	MODEL 422 - 425	MODEL 420	MODEL 431
Heat Input, B.T.U.'s	74,600	101,750	49,100	71,200
Heat Output, B.T.U.'s	56,800	75,450	37,700	50,000
Height	41"	41"	34 $\frac{3}{8}$ "	40 $\frac{1}{4}$ "
Width	25 $\frac{1}{2}$ "	28"	20"	24 7/16"
Depth	21"	23"	17"	21"
Flue Outlet Size	6"	6"	6"	6"
Height to Flue Outlet Top	31 $\frac{1}{2}$ "	31 $\frac{1}{2}$ "	29 $\frac{1}{2}$ "	29 $\frac{3}{8}$ "
Heating Capacity (Rooms)	3 - 5	4 - 6	1 - 2	3 - 5
Fuel Flow per Min. (Low Fire)	1 $\frac{1}{4}$ C.C.	2 C.C.	6 C.C.	7 C.C.
Fuel Flow per Hour (High Fire)	35 C.C.	48 C.C.	23 C.C.	35 C.C.
Shipping Weight (lbs.)	120	130	75	110
Draft	.04	.06	.04	.04



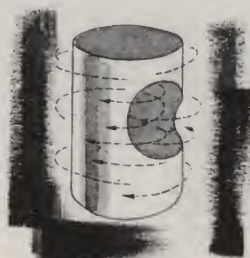
● BURNER POT



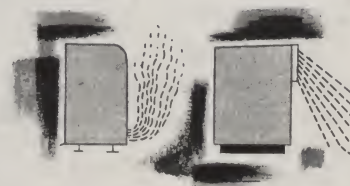
● MIRACLE PILOT



● TOP LIGHTING



● HEAT MISER



● WARM FLOOR PERFORMANCE

Preway Vented Gas Heaters, A.G.A. Approved L. P. or Natural Gas



17,000 B.T.U. Input Circulating Heater

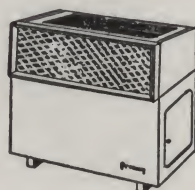
001 Equipped with manual valve, extra orifice for Natural Gas.

17,000 B.T.U. Input Circulating Heater

007 Equipped with Minneapolis-Honeywell Manual Adatrol Pilotstat with filter installed. 100% shut off and safe lighting. Extra orifice for Natural Gas.

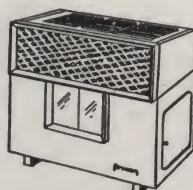
Circulating

002



Radiant

003



35,000 B.T.U. Heater

L. P. or Natural Gas

Equipped with Minneapolis-Honeywell Manual Adatrol Pilotstat with filter installed. 100% shut off and safe lighting. Extra orifice for Natural Gas.

60,000 B.T.U. Input Heater

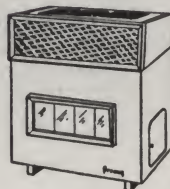
Circulating

004



Radiant

005

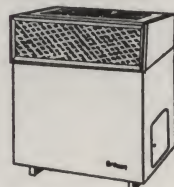


L. P. or Natural Gas

Equipped with Minneapolis-Honeywell Manual Adatrol Pilotstat with filter installed. 100% shut off and safe lighting. Extra orifices for Natural Gas. Double Burners. Double porcelain heat exchangers.

75,000 B.T.U. Input Circulating Heater

L. P. or Natural Gas

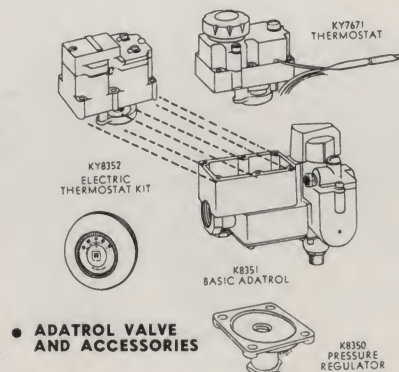


006

Equipped with Minneapolis-Honeywell Manual Adatrol Pilotstat with filter installed. 100% shut off and safe lighting. Extra orifices for Natural Gas. Double Burners. Triple porcelain heat exchangers. Requires pressure regulator which is furnished.

ACCESSORIES

Model No.	Description
KY8352	DE LUXE THERMOSTAT KIT. Consists of round wall thermostat, electric operating head, transformer, cable and staples. (Minneapolis-Honeywell Y376A Add-On)
KY7671	Minneapolis-Honeywell "MODU-SNAP Add-on" MODULATING automatic non-electric thermostat complete with capillary and temperature bulb. Also includes Hi-Lo By-pass. For use on all heater Models <i>except</i> Model 001.
K8350	Pressure Regulator. According to most codes, a Pressure Regulator is not required and is not supplied with our Heaters except Model 006. If local codes make it a necessity, order separately. Attaches to Adatrol.
45491-C	FORCED AIR BLOWER UNIT. Automatic — Fits on Models 004, 005 and 006 only, as well as older models of 65,000 and 85,000 B.T.U. sizes.
108	TRANSAIRE Automatic Thru-Wall Fan, includes Air Grilles. (Set of 2) (Plus 5% F. E. T.)



• ADATROL VALVE AND ACCESSORIES

• INTERCHANGEABLE ORIFICE



ARMSTRONG GAS HEATERS

BATHROOM HEATERS

UNVENTED

These efficient, sturdily constructed models are leaders in the field of popularly priced bathroom heaters. Model 9-C has the new "sheet of flame" type cast iron burner that provides rapid ignition and positive carry-over, insuring a clean, well distributed flame. The non-clog screw type air regulator can easily be set to provide proper flame. Model 10-A is equipped with the "dual-flame" cast iron burner that provides clean, odorless heat. The sleeve type air regulator is easily adjustable to insure proper combustion. Model 10-A is A.G.A. Approved. These heaters are available for use with Natural, Mixed, Manufactured and L. P. gases.



9-C

MODEL NUMBER	Width Inches	Depth Inches	Height Inches	Carton of 6 Shipping Wt. Lbs.	B. T. U.	
					L. P. G.	Natural and Mfg.
9-C	9 3/4	5 1/4	13	32	8,000	10,000

UNVENTED



A. G. A. Approved

The special safety feature of very low top and side temperatures gives this series its name, for the exterior surfaces remain cool enough to touch without burning. The body is finished in Armstrong's new tan color—Mocha-tone, a very durable baked-on enamel. Available with manual or automatic pilot and a selection of thermo-static controls.

For use with Natural, Mixed, Manufactured and L. P. gases

MODEL NUMBER Last figure indicates number of double radiants	Width Inches	Depth Inches	Height Inches	Shipping Weight Pounds	B.T.U. Input	
1244	16 1/2	14	26	47	L.P.G.	Natural
					24,000	24,000

UTILITY HEATERS



MODEL 12
UNVENTED

A new model in the Armstrong line, this versatile utility heater is a popular choice for auxiliary heating, bathrooms, kitchens, or other small areas. It is available in brown or white porcelain enamel—the finish that lasts a lifetime. Cast iron burner and solid brass valve. The Model 12 Utility Heater is an ideal choice for cottages or trailers equipped with bottled gas. These heaters are A.G.A. Approved for use with Natural, Mixed, Manufactured and L. P. gases.

MODEL 2123

A.G.A. Approved

For those who want a really attractive, but inexpensive radiant heater, Armstrong offers the "2123." This model is finished in white or walnut porcelain enamel to harmonize with the color scheme of kitchens, bathrooms, hallways, or other small rooms. The reflector and dress guard are finished in chrome plate. Equipped with cast iron burner and solid brass valve. Model 2123 has three double radiants.



UNVENTED

(When ordering please specify type of gas)

MODEL NUMBER Last figure indicates number of double radiants	Width Inches	Depth Inches	Height Inches	Carton of 2 Shipping Weight Pounds	B. T. U.	
					L. P. G.	Natural and Mfg.
2123	11	6 3/4	16	29	12,000	12,000



VENTED

The 7000 series circulator is modern in design and efficient in operation. A fully vented unit with 100% gas tight electric welded heat exchangers, eliminates sweating of walls and windows, providing dry, clean heat. The heater body is porcelain enameled in Armstrong's new color, "Mocha-tone," a finish that retains its original beauty after years of service. Equipped with side access door and manual blue-flame pilot for convenient operation. Fully automatic controls are available for use with this heater. A.G.A. Approved for use with Natural, Mixed, Manufactured and L. P. gases.

(When ordering please specify type of gas)

MODEL NUMBER	Width Inches	Depth Inches	Height Inches	Approximate Shipping Wt.	B. T. U. Input	
7200	19 1/8	16	21 1/4	44 lbs.	L.P.G.	Natural
					20,000	

(When ordering please specify type of gas)

GAS HOT PLATES



UNVENTED

The new 3000 series unvented circulator is a versatile unit designed for many home heating installations. The body is porcelain enameled in rich tan "Mocha-tone." The expanded metal grille is finished in contrasting silicon gold enamel. Equipped with durable cast iron burner and approved all brass valve. This model is available equipped with manual or fully automatic controls. A.G.A. Approved for use with Natural, Mixed, Manufactured or L.P. gases. When ordering please specify type of gas.

MODEL NUMBER	Width Inches	Depth Inches	Height Inches	Shipping Weight Pounds	B.T.U. Input
3200	16 1/4	11	21 1/4	24	20,000
3300	19 1/4	11	21 1/4	28	30,000



UNVENTED

Quality, beauty and efficiency are skillfully combined in this new Armstrong Radiant Circulator. The body is porcelain enameled in Armstrong's new tan color, "Mocha-tone." The radiant opening insert is finished in "Hi-heat" silicon gold enamel. Dress guard is finished in heavy chrome plate. Radiants are white. Equipped with cast iron burner and approved all brass valve. These models are available equipped with manual or fully automatic controls. A.G.A. Approved for use with Natural, Mixed, Manufactured or L.P. gases. When ordering please specify type of gas.

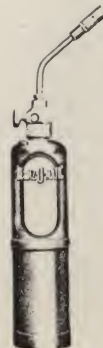
MODEL NO. Last figure indicates number of double radiants	Width Inches	Depth Inches	Height Inches	Shipping Weight Pounds	B.T.U. Input
3244	16 1/4	11	21 1/4	34	24,000

Our Gas Hot Plates are strongly constructed. Gas cocks have adjustable orifice and can be used for Natural or Artificial Gas. Gas grates are removable. Can be furnished in either high or low leg style. High leg styles have steel shelf. Black japanned finish.



With Low Legs or High Legs & Shelf
1 Burner, Two Burner, Three Burner.

BERNZ-O-MATIC PROPANE GAS TORCH



- #180 C&L Firepot
- #206A Blow Torch
- TX11 Cylinder & Utility Burner
- TX9 Disposable Cylinder (Refill)
- TX1 Pencil Burner Unit
- TX2 Utility Burner Unit
- 1351 BP Burner Head
- 1352 BU Burner Head (Heavy Duty)
- TX400 Soldering Tip (Small)
- TX401 Soldering Tip (Large)
- TX405 Sparker
- TX12 Cylinder & Leak Detector



IO-BLAST ECONOMITE

Power Type Gas Conversion Burner

The Economite is a power type gas conversion burner designed to convert any type of residential or commercial coal- or oil-designed boiler or furnace into a long lasting, trouble-free gas fired installation of unexcelled efficiency. It utilizes a small, low-speed, quiet motor-driven blower to furnish combustion air in exactly the correct amount for complete combustion regardless of varying flue drafts.

MODEL #150-C ECONOMITE

Maximum input capacity: 150,000 BTU/hr., all gases
 Minimum input capacity: 70,000 BTU/hr., all gases
 Safety pilot: Basis thermo-electric
 Minimum combustion chamber: 7" wide x 11" long x 7" high—
 or 9" diameter
 Nozzle lengths: Standard 9", short 5", long 15"; special lengths available, 24" maximum
 Nozzle diameter: 4"
 Control system: Low voltage 2 or 3 wire

MODEL #300-C ECONOMITE

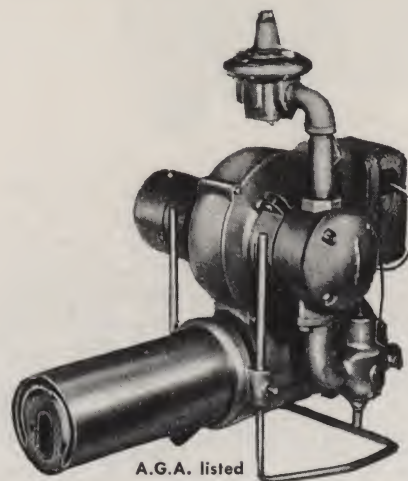
Maximum input capacity: 300,000 BTU/hr., all gases
 EXCEPT 275,000 BTU/hr. Mfd. gas
 Minimum input capacity: 150,000 BTU/hr.
 Safety pilot: Basis thermo-electric
 Minimum combustion chamber: 8" wide x 15" long x 9" high—
 or 13" diameter
 Nozzle lengths: Standard 12", short 6", long 18"; special lengths available, 24" maximum
 Nozzle diameter: 4½"
 Control system: Low voltage 2 or 3 wire

MODEL #500 ECONOMITE

Maximum input capacity: 500,000 BTU/hr., all gases
 Minimum input capacity: 300,000 BTU/hr., all gases
 Safety pilot: Basis thermo-electric standard;
 instantaneous electronic optional
 Minimum combustion chamber: 10" wide x 26" long x 13½" high—
 or 20" diameter
 Nozzle lengths: Standard 12", short 6", long 18"
 Nozzle diameter: 5"
 Control system: Low voltage 2 wire

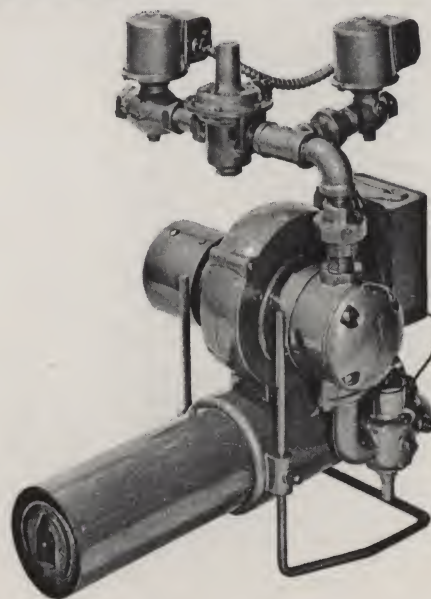
MODEL #700-C ECONOMITE

Maximum input capacity: 700,000 BTU/hr., all gases
 Minimum input capacity: 500,000 BTU/hr., all gases
 Safety pilot: Basis thermo-electric standard;
 instantaneous electronic optional
 Minimum combustion chamber: 15" wide x 35" long or 26" diameter
 Nozzle lengths: 10" only
 Nozzle diameter: 6"
 Control system: Low voltage 2 wire



A.G.A. listed

ECONOMITE DUAL FUEL

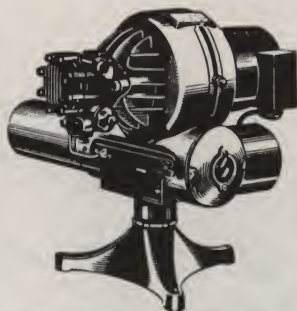


SIZES:	150C-DF	500C-DF
	300C-DF	700C-DF

Model D.F. ECONOMITES are similar to natural gas ECONOMITES except that they are equipped with two piping manifolds for connection to natural and L.P. gas supply. Solenoid valves and gas cocks are included in each manifold. The pilot gas supply is connected only to the natural gas line. A disc type orifice in a union at the tee is furnished, which reduces the 11 inch W.C. inlet pressure L.P. gas to 1.7 inches W.C. This 11 inch W.C. pressure setting is made at the L.P. tank regulator. Natural gas inlet pressure of about 6 inches W.C. is regulated by the pressure regulator to 4.5 inches W.C. at the burner manifold. An outdoor temperature controller, #L680B, is furnished with the burner

Model D.F. ECONOMITES are shipped assembled and wired completely and factory tested on both L.P. and natural gas. In ordering, it is necessary to specify the input that will be used so that the orifices will be properly sized.

Only **Nu-Way** offers
ALL THESE FEATURES:



NU-WAY MODEL XL

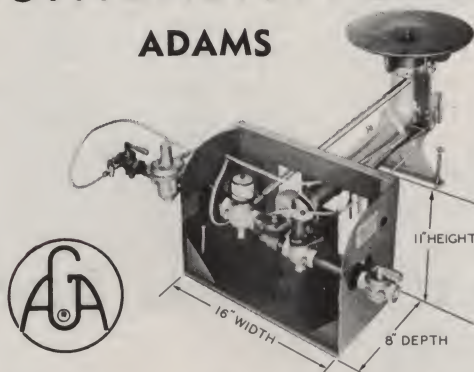
- EFFICIENCY
- CLEANLINESS
- ECONOMY
- POSITIVE AIR CONTROL
- LIFETIME LUBRICATED MOTOR
- QUIET OPERATION
- NO RADIO or TELEVISION INTERFERENCE

Model IXL-175 — 0.65 to 1.75 g.p.h.

Model IXL-300 — 1.75 to 3.0 g.p.h.

DUAL FUEL GAS CONVERSION BURNER

ADAMS



Thermostat. Transformer. Safety pilot lighter. Indoor-outdoor control. Armored wire for connection of indoor-outdoor control. Solenoid valve furnished for natural and mixed gas. Diaphragm valve for manufactured gas.

MODEL	TYPE OF GAS	MAX. BTU/HR	WEIGHT
DF-1N	Natural or mixed with LP gas.	200,000	58 lbs.
DF-1M	Manufactured gas with LP gas.	135,000	58 lbs.
DF-2N	Natural or mixed with LP gas.	235,000	60 lbs.
DF-2M	Manufactured gas with LP gas.	235,000	60 lbs.

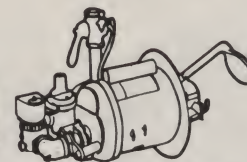
Minimum rate on all burners, 80,000 BTU/HR

ROBERTS - GORDON CONVERSION GAS BURNER

A. G. A. LISTED



SERIES
302-21



SERIES "400 - R" BURNER



SERIES
84

MODEL	CAPACITY B.T.U. PER HR.	CAPACITY IN BTU PER HOUR		
		MODEL	NAT.	MFD.
84-X	210,000	302-21A	135,000	
84-Y1	325,000	302-21		120,000
84-Z	500,000	302-21X	210,000	210,000
		302-21Y1	325,000	

BURNER NO.	INPUT RATING M BTU/HR.		* OUTPUT			
	NAT.	MFD.	** AT REGISTER BTU/HR.		SQ. FT. STEAM INSTALLED	
			MIN.	MAX.	MIN.	MAX.
400-RA	125		29,000	80,000	110	270
400-R	175		29,000	110,000	110	380
400-R		135	29,000	85,000	110	300
400-R1		175	29,000	110,000	110	380

- DUAL FUEL GAS TO GAS BURNERS

The above Roberts-Gordon Gas Burners can be adapted for use as DUAL-FUEL units. The units are completely assembled with special controls builtin, automatically change from manufactured gas to L.P. when outside temperature drops below a predetermined temperature setting.

302-21-X SPECIAL BURNER.

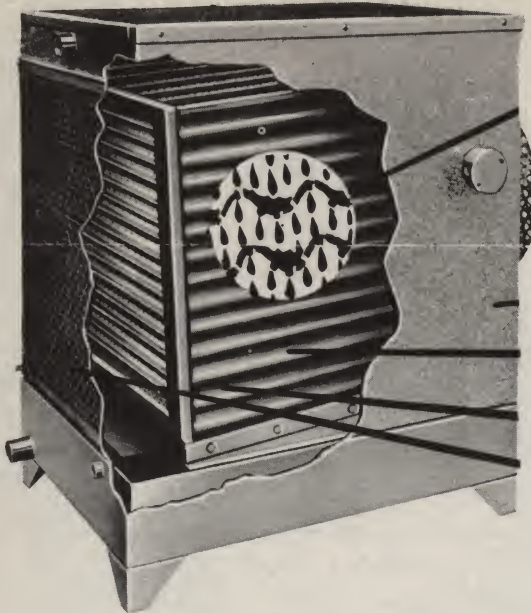
This burner made especially to meet present day competition. Check this price.

Burner Casting	Flame Deflector
Telescoping Steel Venturi Mixer	Fixed Orifice
Gordon Automatic Pilot	Transformer
Patented Secondary Air Seal	Plain Room Thermostat
Solenoid Valve	Gas Pressure Regulator

For Grates Sizes from 10" to 36"
Maximum B.T.U. Input: natural Gas 210,000

Size of Gas Connection 3/4"
Outside Diameter of Burner Casting 8"
Outside Diameter of Flame Deflector Casting 7"

SILVERCRAFT SUMMER SHOWER – COOLING TOWERS



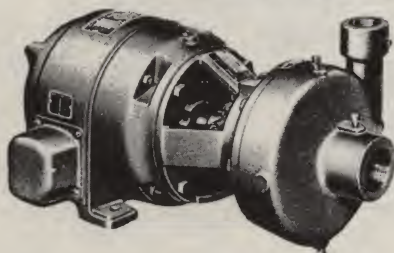
- | | |
|-------------------------------|------------------------------|
| Light Weight Construction | High Cooling Efficiency |
| Ease of Accessibility | Long Wear . . . Long Life |
| All Metal Construction | Multi-Purpose Design |
| Non-corrosive and Non-rusting | Removable Wet Deck Cartridge |

SILVERCRAFT Summer Shower Cooling Towers are built of attractive, long life aluminum and steel. The entire body and top are constructed of heavy gauge, stucco embossed, rigidized aluminum. The base water recirculation pan, and top distribution pan are fabricated of heavy gauge zinc coated sheet steel, completely plastic coated. All exposed steel parts are double coated with high gloss, pastel blue, baked enamel. The fan guard, and air intake screen are also furnished in pastel blue, baked enamel. All surfaces exposed to the recirculated water supply are coated with #406 thermal plastic protection. This porcelain-like plastic coating is baked on at high temperatures under controlled timing, to assure an even greater life expectancy. The only exposed metal inside the SILVERCRAFT cooling towers is the stainless steel cartridge slides, the high nickel alloy stainless steel fastenings, and the heavy-duty cast brass open tank float valve assembly. All units are furnished with General Electric motors and Torrington "Specifications" fan blades. All models are available with completely plastic-coated cabinet bodies, over-coated with Silver-grey baked-on enamel, for sea coast areas.

Model No.	Capacity in Tons 78° WB	Motor HP	RPM	CFM	Shipping	LIST PRICE
SC- 3-CT	3.1	1/15	1500	1275	155 lbs.	\$ 198.00
SC- 4-CT	4.1	1/15	1500	1350	155 lbs.	198.00
SC- 5-CT	5.2	1/6	1050	1850	210 lbs.	295.00
SC- 7-CT	7.6	1/6	1050	2425	210 lbs.	350.00
SC-10-CT	10.2	1/3	1140	2950	350 lbs.	496.00
SC-15-CT	15.2	1/3	1140	4350	350 lbs.	595.00
SC-20-CT	20.4	1/2	1140	5900	430 lbs.	794.00
SC-25-CT	25.5	1/2	1140	7375	430 lbs.	992.00

Write for Special Cooling Tower
and Pump Catalogue

SERIES 1522 UNI-BUILT CENTRIFUGAL PUMPS



BELL & GOSSETT

NON-OVERLOADING DESIGN — BRONZE FITTED

UNIT NO.	HP	HEAD IN FT.	VOL. GAL/MIN	LIST
14-S	1/3	40	18	\$ 105.00
5-S-1	1/2	50	25	108.00
6-S	3/4	42	30	131.00
7-S-1	3/4	60	30	116.00
8-S	1	43	60	140.00
16-S	1½	55	70	154.00

ABOVE PUMPS WITH NON-OVERLOADING DRIP PROOF MOTORS 110/220 —
SINGLE PHASE — 60 CYCLE

FOR FURTHER PERFORMANCE DATE SEE G & G BULLETIN.

ESSICK EVAPORATIVE AIR COOLER

COOLING WITH 100% FRESH, WASHED AIR

FREE —
send for cat-
alog sheets,
detailed
information...
no obligation,
of course!



Blower Type Window Mounting Coolers — Powerful and quiet blower models which deliver an extra large amount of washed, filtered air to give you most refreshing cool comfort.

STANDARD COOLERS

most popular type of permanent installation... a complete line of roof mounted, ducted models for cooling any structure from a small home to a large industrial plant.



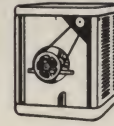
LARGE CAPACITY

BLOWER TYPE COOLERS

Heavy duty coolers for all residential and commercial uses. Galvanized, zinc or lead coated steel construction... equipped with powerful, smooth-running blower wheels... adjustable speed motor pulleys... rubber-cushioned adjustable motor mounts and blower wheels to assure quiet operation, free from vibration. 17 attractive models available for every installation requirement, including down discharge models for installation with no exposed ducts; 2,200 to 12,500 cubic feet of cool air per minute.



1. "Ste-Fresh" Filters. Resists Algae and Fungus Growths — the cause of objectionable odors. Maintains efficiency longer... even in hard waters.



2. All Steel Construction. Finest heavy gauge steel cabinets — Rigid and Durable — No aluminum or steel substitutes. Handsome oven baked finishes.



3. Visible Free Flowing Water Distributors. Visible and adjustable without removing filters on all Blower models.



4. "Grip-Lock" Filter Cartridges. Filters positively cannot sag — Stops sagging filters — hot air leaks and eliminates service calls.



5. Window Mounting Adaptors. Residential coolers are easily and securely installed in just a few moments — Attractive design blends with finest home furnishings.



6. Guaranteed Air Delivery — SINCE 1938, Essick was the first to guarantee air delivery, and has done so on all Models of coolers since 1938.

Low cost of equipment, installation, operation and maintenance.

Quick and easy installation.

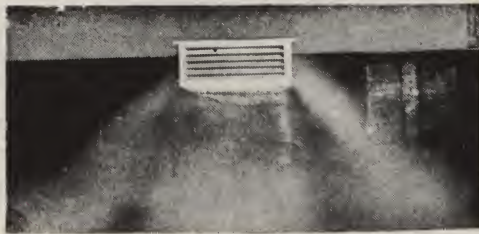
Maximum comfort at all times. The hotter the day, the greater the cooling.

100% fresh, cooled, filtered air—never recirculated.

Fresh air ventilation, without cooling, for spring and fall (at no extra cost).

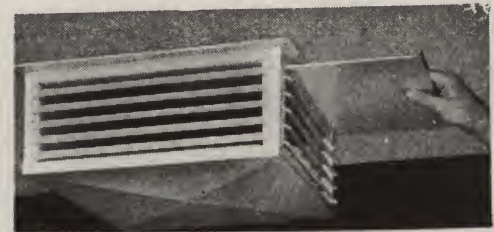
ASHBURN

COOLER DIFFUSER



AIR CONTROL WITH MINIMUM RESTRICTION

Smoke test shows pattern of air diffusion



EASY WINTER DAMPERING
Damper stores in bottom of diffuser during operating period.

Here's a low priced line of diffusers to meet all evaporative cooler requirements. Four sizes fit all makes of coolers to 12,500 cfm. Attractive styling and durable enamel finish makes the diffuser usable in all types of installations.

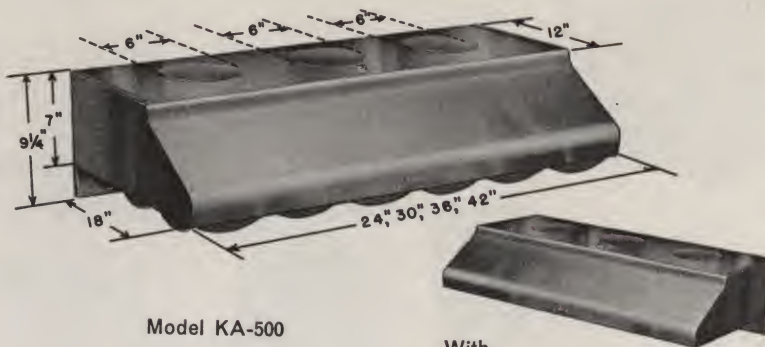
	Round Pipe Max. Capacity	Square Duct Max. Capacity	Shipping Weight	List Price
Model 16	14"	16" x 16"	10 lbs.	\$12.60
Model 18	18"	18" x 18"	15 lbs.	17.60
Model 22	22"	22" x 22"	19 lbs.	20.90
Model 30*	30"	30" x 30"	23 lbs.	41.25

Kitchen-aire Range Hoods

Brand New Contemporary Hood

Stunning modern design of brand new Contemporary Hood features graceful sweeping lines which flow into handsome scallops. Scallops can be removed to create a new design in style. Has double incandescent light and toggle switches for lights and optional single speed fan use. Washable aluminum mesh filter, full length removable drip pan and baffle, and three knockouts for fast duct installation.

Electroplated Finishes: *brushed copper, brushed antique copper and solid stainless steel.*



Model KA-500

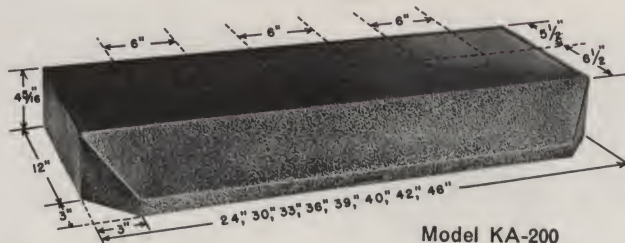
With
Scallops Removed

The Distinctive Traditional Hood

Distinctive styling of the Traditional Hood adds a beauty spot to present kitchens or blends into the modern decor of new kitchens. Functional beauty and utility of mitered corners allow adjoining cabinet doors to open fully. Full length drip pan and baffle are easily removed for cleaning. Three knockouts for fast duct installation. Washable aluminum filter and light available as accessories.

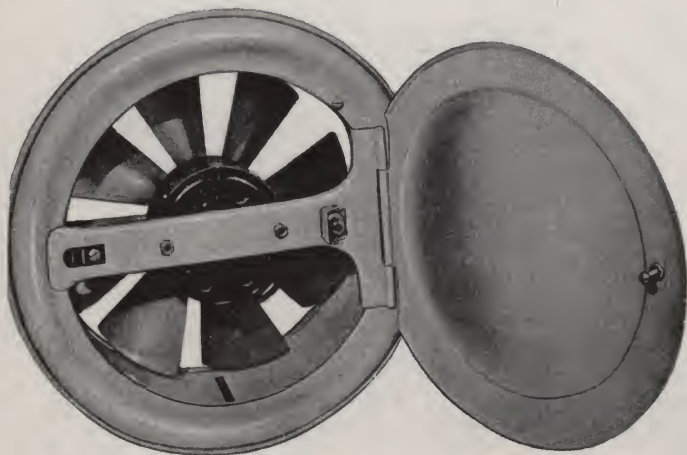
Electroplated Finishes: *brushed copper, brushed antique copper, hammered antique copper, hammered swedish iron, hammered chrome, hammered black, and solid stainless steel.*

40" and 48" available only as standard sizes in hammered antique copper, brushed copper and stainless steel.



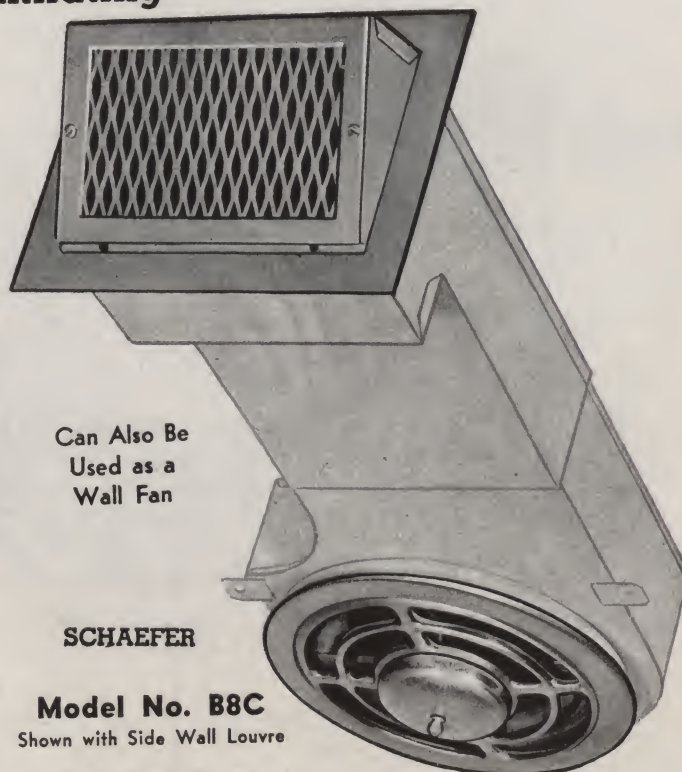
Model KA-200

Kitchen Ventilating



No. SM10W — 10"

General Specifications
For Wall Thickness
6" adj. to 9"—9" adj. to 13"
(Specify When Ordering)



Can Also Be
Used as a
Wall Fan

SCHAEFER

Model No. B8C
Shown with Side Wall Louvre

Wall Switch Operated
Induction Motor—110-120 V. 60 Cy. AC.
Wiring—KO for BX or Conduit

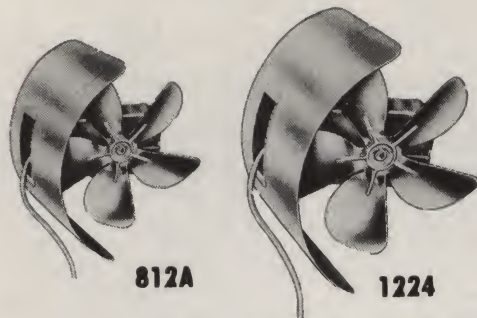
REX AIR PAK BLOWER PACKAGE UNIT

Unit complete, with Blower Motor, Cabinet and Filters. A high quality blower that is adaptable for easy installation on any gravity furnace, transforming it to a modern winter air conditioning system.

Unit No.	Wheel Size	H.P.	C.F.M.	Weight
R-1110-17	11 $\frac{1}{16}$	$\frac{1}{6}$	950	97
R-1313-25	13 $\frac{5}{16}$	$\frac{1}{4}$	1600	137
R-161-33	16 $\frac{3}{4}$	$\frac{1}{3}$	2300	270



MC LARTY FANS For Heating - Cooling - Ventilating - Circulating

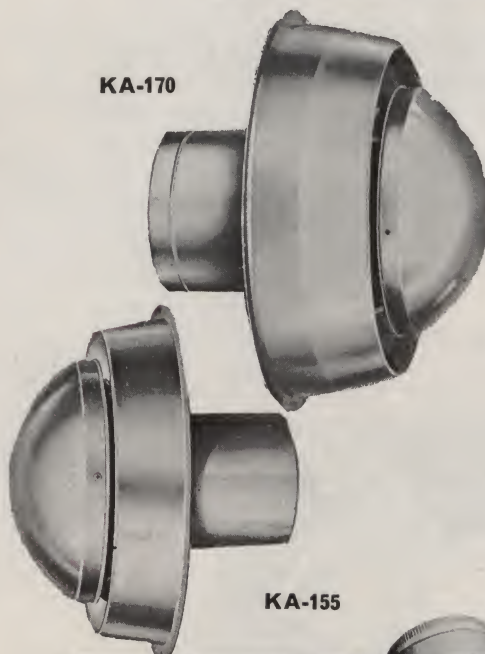


McLarty Booster Fans for Gravity Warm Air Furnaces are 110 v., 60 cycle, shaded pole A.C. motors mounted in a special patented (U. S. Patent No. 2419962, Canadian Patent No. 449906) ventilated metal case and mounting brim. Special bearings allow the motors to run in any position.

MODEL	FAN SIZE	FITS PIPE	APPROX. CFM	WATTS	APPROX. RPM	WEIGHT PACKED
812-A	7"	8"-12"	125	20	1200	3 lbs.
1224	10"	12"-24"	350	50	750	6 lbs.

INSTALL IN FURNACE PIPES -NO SHEET METAL WORK NEEDED

Kitchen-aire Ventilators and Range Hoods



Here's the ultimate in home ventilation! It's the same principle used successfully for years in the finest industrial ventilation systems—where blade type fans have failed. No feeble push here—Kitchen-Aire literally exhales air-borne filth and keeps your kitchen vacuum-cleaner clean.

Multiple Vent—Ventilate three rooms at once, with just one Kitchen-Aire! No need to buy separate fans for the kitchen, bathroom and laundry when just one Kitchen-Aire KA-170 will ventilate them all. And it installs either on the wall or roof.

Powerful—Kitchen-Aire is actually 25-75% more efficient than any fan or blower on the market! Watt per watt Kitchen-Aire outpulls and out-performs them all. The secret is the unique, new design of the 43.5% more efficient balanced centrifugal impeller.

KA-155

Voltage Requirements—60 cycle—115 volts—AC
RPM—1550
CFM—550
Wall Opening Required—6 $\frac{1}{2}$ " round
Sleeve Adjustment—5 $\frac{1}{2}$ " to 9 $\frac{1}{2}$ " wall thickness
Ducting—Standard 6" round or 3 $\frac{1}{4}$ " x 10" rectangular
Shipping Weight—approx. 14 lb.
Grille—polished aluminum, 8 $\frac{1}{4}$ " x 8 $\frac{1}{4}$ "
Damper—complete with automatic spring-loaded anti-back draft damper
Three-Speed Switch—available as accessory

KA-170

Voltage Requirements—60 cycle—115 volts—AC
RPM—1550
CFM—1100
Wall Opening Required—7 $\frac{1}{4}$ " round
Sleeve Adjustment—5 $\frac{1}{2}$ " to 9 $\frac{1}{2}$ " wall thickness
Ducting—Standard 7" round or 3 $\frac{1}{4}$ " x 12" rectangular
Shipping Weight—approx. 17 lb.
Grille—Stamped steel, chrome plated, 9" x 9"
Damper—complete with automatic spring-loaded anti-back draft damper
Three-Speed Switch—included as standard equipment
Warranty—5 year pro rata



COMBINATION INCLUDES:

- #SA-100C HOOD ●
- 9" knockouts at both ends
- FAN ●
- 8" propeller type 650 CFM (free air)
- Fan Switch (toggle) ●
- Double Incandescent Light and toggle switch
- washable aluminum mesh FILTER ●

Extremely Low Priced Real Metal Finishes

Genuine electroplated hood actually priced below many painted hoods. Unlike paint, electroplating won't chip, fade or peel. Will not change color due to grease or heat. Powerful fan quickly exhausts odor, smoke, heat, moisture and catches grease in washable filter. Mitered corners allow adjacent cabinet doors to open fully.

Electroplated Finishes: brushed antique copper, brushed copper, hammered antique copper and solid stainless steel.

Aprilaire AUTOMATIC RESIDENTIAL HUMIDIFIERS

PLENUM MODELS 110 112



The Plenum Type Aprilaire Automatic-Electric Humidifier is designed specifically for dwellings heated by forced air furnaces. It is easily mounted on the warm air bonnet and can be installed on any furnace with sufficient space on the plenum to accommodate a 11" x 15" unit.

	Model 110	Model 112
Capacity	5.3 lbs. water/hr. at 120° Plenum Temp.	9.2 lbs. water/hr. at 120° Plenum Temp.
Electrical Data	115 Volts—60 Cycle—1 Amp.	115 Volts—60 Cycle—1 Amp.
Accessories Included	Humidistat, Saddle Valve, Transformer	Humidistat, Saddle Valve, Transformer
Unit Dimensions	15½" x 15" x 12½"	20½" x 16½" x 12½"
Shipping Carton	16" x 17" x 14"	21" x 18" x 14"
Shipping Weight	25 lbs.	28 lbs.

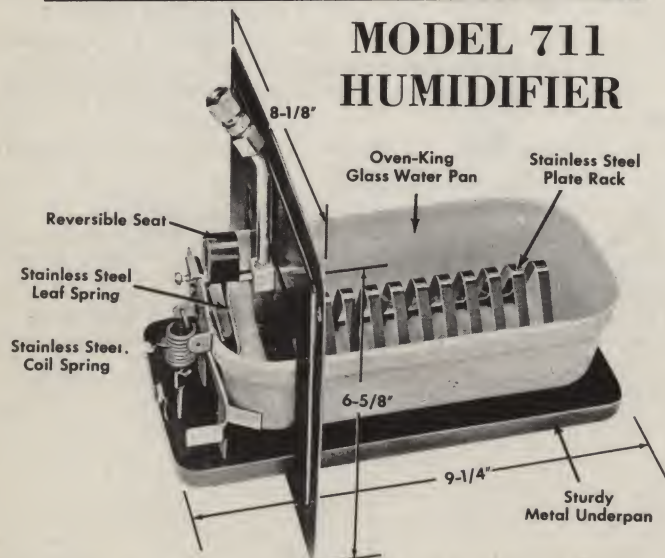
PLENUM MODELS 110 and 112

Models #110 and #112 Aprilaire are designed to be mounted on the hot air plenum of a forced air furnace. A 10 x 14 opening is cut for the Model #110 or a 11½ x 19 opening for the Model #112. Holes are drilled for sheet metal screws and the unit is mounted on the plenum using the furnished "S" strips and sheet metal screws. A saddle valve (furnished) is tapped into the cold hard water supply and ¼" copper tubing (not furnished) is connected to the compression coupling on the inlet side of the solenoid valve. A drain connection is run from the unit to the drain using ¾" copper tubing or ½" plastic hose (not furnished). The Humidistat (furnished) is installed in the area to be humidified (preferably near the thermostat) and operates on 24 volts to permit ease of wiring.

This unit utilizes plenum heat for evaporation; the furnace fan and duct system for distribution of humidified air. Note: Not recommended for areas with design temperature +25° F. or above.

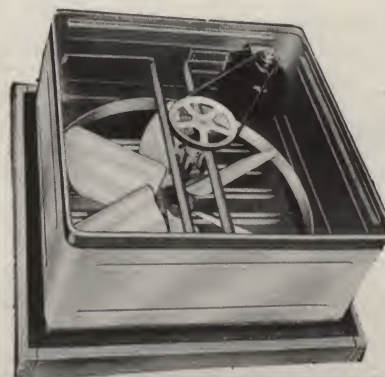
MODEL NO.	(Cubic feet capacities per unit)	
	Forced Warm air heat	
	#110	#112
Loose House	6,300	11,000
Average House	16,000	27,500
Tight House	32,000	55,000

MODEL 711 HUMIDIFIER



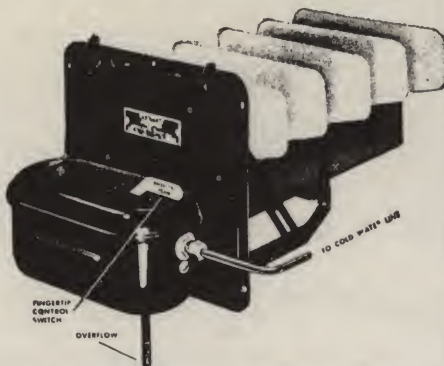
- 1 100% Pure Glass Vapoglas Plates
- 2 Stainless Steel Plate Rack
- 3 Copper tubing
- 4 Chrome Plated Valve Jet
- 5 Brass Shut-Off Valve
- 6 Additional capacity
- 7 Backed by time-honored Skuttle Guarantee for one year from date of installation

"CLIPPER" ATTIC FAN



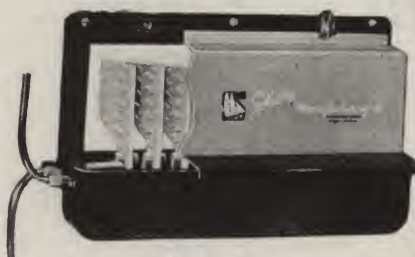
Model Number	Fan, Capacity C.F.M.	Diam Free Air Delivery	R. P. M.	H. P.
V-390	24"	3854	585	¼
V-587	28"	5870	475	¼
V-835	32"	8350	400	⅓
V-1000	38"	10000	340	⅓

SKUTTLE 600 SERIES HUMIDIFIER



Self-flushing, self-cleaning. Installed with correct number of plates. Keeps humidity up to comfort and health standards.

No. 600 (self flushing) - - - -	\$14.53
No. 600B (non-cleaning) - - - -	12.33
No. 450 (outside mounting) - - - -	11.00



MODEL NO. 450

MODEL 400 ELECTRIC HUMIDIFIER.

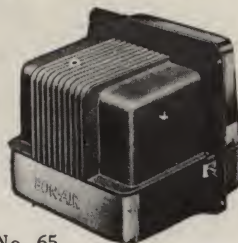


A relay transformer is connected to a 650 Watt heating element located in water pan. Evaporation of water takes place almost at once. Circulation is made by the furnace blower.

Capable of vaporizing 27 quarts per 24 hours.

HUMIDIFIERS

BON-AIR ATOMIZING HUMIDIFIER



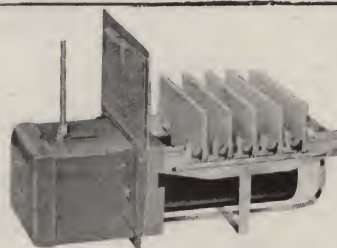
Model No. 65

Atomizing humidification — long recognized by engineers as the most effective method of introducing water vapor into the air — is now available for the first time at a popular price! The BON-AIR atomizing humidifier effectively provides a positive, constant humidification output when needed . . . automatically atomizing fresh water into a cool, fog-like mist that immediately disappears in the air stream.



"800"
GENERAL

- No floats or balanced pans to stick
- Lifetime neoprene diaphragm
- Totally enclosed valve seat
- Glass Coated evaporating pan
- Stainless steel plate rack
- Operates on 5 to 150 lb. pressure



AUTO FLO HUMIDIFIER

The weight of the water in the pan counterbalances the water pressure at the orifice. As the water evaporates it lightens the pan and causes more water to flow from orifice into pan, maintaining a constant water level.

- No moving parts to adjust, stick or wear out.
- Treated against rust or corrosion.
- Porcelain enamel pan.
- Fits all furnaces.

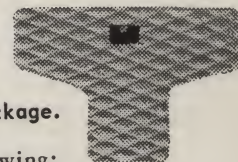


VIKING No. 6000
HUMIDIFIER

LIFETIME GLASS PAN . . . high quality ovenware glass can't corrode, rust, pit or leak. Eliminates call-backs caused by leaky pans.

VISIBLE ACTION VALVE . . . hard-chromed brass valve with enlarged non-clogging orifice is positively opened and closed by water level in pan. Owner can see the neoprene valve as it opens and closes.

489 Vapoglas Plates



5 Plates per package.

Will fit the following:

AUTO-FLO	100 & 150
GENERAL	200
VIKING	2300 & 5600
WET-KING W-5, DUCT'S, & PRAIRIE 5	
All Skuttle Models except #450.	

NO. 11 Automatic Pan FILLER



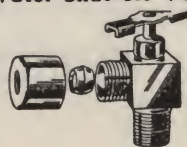
ATTRACTIVE . . .
FAST-SELLING

This quick-turnover package contains all parts necessary to keep the water pan of any type furnace automatically filled.

Saddle Valve



Water Shut-off Valve



Float Valve Assembly

For replacement or use in any float-type humidifier system. Consists of Foam Glass Float and Viking Top Seat Valve, assembled and ready for installation.

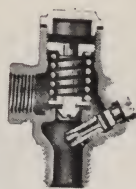


WATER HEATERS

FOR WATER HEATERS

Temperature and Pressure Relief Valve

333



- Exposed Fuse Plug (Two extra fuse plugs packed with each valve.)
- 1/2" NPT Male Inlet.
- 1/2" NPT Female Drain Outlet.
- Non-sticking silicone rubber bibb washer.
- Corrosion-resistant spring.
- Rating—150,000 BTU output per hour.
- Standard Setting—210°
- Range—50-200 lbs.

HEATER CONNECTORS



36" 48" 60"

No. F-77 has been designed for use where complete flexibility is desired . . . Made of Seamless Corrugated Brass Tubing furnished with 3/4" or 1/2" Straight Female Ends. Standard S.A.E. Listed by the American Gas Association Testing Laboratories.

SAF-T-HOT — 10 YEAR GLASS LINED SUPER SERIES

MODEL No.	CAP	BTU INPUT	RECOVER. 100° RISE	DIA	HEIGHT
SX-20-1	20	23,000	19.3	20	42-3/4
SXL-30-1	30	30,000	25.2	20	52-3/4
SXL-40-1	40	36,000	30.3	22	58-3/4
* SH-30-1	30	30,000	25.2	20	52-3/4
SX-65-1	65	50,000	42.0	26	60-3/4

STANDARD 10-YEAR GLASS LINED SERIES

SXL-20-2	20	23,000	19.3	20	42-3/4
SXL-30-2	30	30,000	25.2	20	52-3/4
SXL-40-2	40	36,000	30.3	22	58-3/4

ECONOMY 10-YEAR GLASS LINED SERIES

SHG-30-M	30	30,000	25.2	18	61-1/4
SHG-40-M	40	36,000	30.3	22	60-1/4

SAF-T-HOT GALVANIZED 5-YEAR SERIES

SXL-20-7	20	23,000	19.3	20	42-3/4
SXL-30-7	30	30,000	25.2	20	52-3/4
* SH-30-7	30	30,000	25.2	20	52-3/4
SXL-40-7	40	36,000	30.3	22	58-3/4
SX-50-7	50	40,000	33.6	24	58-3/4
SX-65-7	65	50,000	42.0	26	60-3/4

VOLUNTEER GALVANIZED 1-YEAR SERIES

SXL-20-9	20	23,000	19.3	20	42-3/4
SXL-30-9	30	30,000	25.2	18	52-3/4
SXL-40-9	40	36,000	30.3	22	58-3/4

SAF-T-HOT GALVANIZED TABLE TOP SERIES

ST-30-7	30	25,000	21.0	24 x 24	36
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AUTOMATIC ELECTRIC WATER HEATERS 10-YEAR GALVANIZED SERIES

ES-40-C	40	Electric		22	44-3/4
ES-52-C	52	Electric		24	55-3/4
ES-66-C	66	Electric		26	58-3/4
ES-80-C	80	Electric		28	58-3/4
ESG-52-C	52	Electric	Glass Lined	24	58-3/4

TABLE TOP GLASS LINED 10-YEAR SERIES

TESG-52-D	52	Electric		24 x 24	36
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* — Side Water Connector

WARM MORNING

Gas-Fired

INCINERATOR



MODEL L-17T with manual gas valve and 100% safety pilot. automatic clock timer.

DIMENSIONS: Height — 35 1/2". 18" square. Requires 6" flue pipe. Connects to 1/2" gas line.

All These New Improved Features:

FULL FIREBRICK LINING — Will not corrode, rust, or buckle, as steel linings do. Will far out-last other types of linings!

FULLY AUTOMATIC CONTROLS — Manual gas valve and 100% safety pilot as standard equipment with Automatic Clock Timer optional. Timer automatically turns burner off.

LARGE CAPACITY — Holds 1.7 bushels!

PORCELAIN ENAMELED CAST-IRON TOP AND FEED DOOR — Porcelain Enamel finish will not burn off or turn dull.

IMPROVED CAST-IRON BURNER — Fan-shaped flame gives quicker ignition, more complete combustion! (10,000 BTU input.)

TWO-WAY INCINERATION — "Quick - Burns" with main burner on; constant pilot "dehydrates" when main burner is off.

LARGE SIDE-HINGED FEED DOOR — Opens without hand or arm passing over flames!

HEAVY, DRAW CENTER, CAST-IRON GRATE — Permits dumping non-combustible objects directly into ash pan!

FLUE PASSAGE — Made of heavy, expanded metal mesh, prevents garbage and trash from blocking flue outlet!

HEAVY STEEL BODY — Finished in "Nubelon" baked enamel . . . one of the toughest and most heat-resistant of silicon finishes!

OIL BURNER NOZZLES



STANDARD ANGLES OF SPRAY

At Standard Test Oil Conditions 60°, 70°, 80° and 90° are standard for all capacities.

45° is standard for 1.00 through 8.00 GPH
30° is standard for 1.00 through 4.00 GPH

Nozzles with non-standard spray angles are priced 30% extra.

30° and 45° nozzles are not available in capacities below 1.00 GPH.

STRAINERS



STANDARD STRAINERS 5/8" LONG

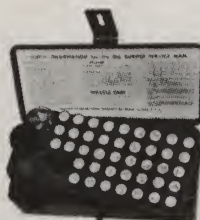
100 mesh for capacities 1.35 GPH and larger
120 mesh for capacities 1.00 GPH through 1.25
200 mesh for capacities under 1 GPH
Specify Mesh of Screen

LONG STRAINER 1 1/4" LONG

Carried in stock with 100 mesh screen only.

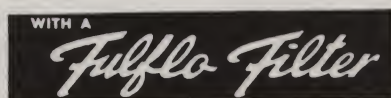
SMALL LINE STRAINERS 2 1/2" LONG

Carried in stock with 100 mesh screen only.



Metal Nozzle Box holds 24 nozzles in convenient order sent free with each order for 24 nozzles.

Regular Price \$ 1.75



FULFLO FILTERS are specially engineered for oil-burner service. Every drop of oil is subjected to many successive fine filtrations that remove every tiny trace of solid and gum-forming impurities down to microscopic size, ensuring complete elimination of all trouble due to impure oil. *Better heat for less money.*

	B4	B6
HEIGHT	6 1/2"	8 1/2"
WEIGHT	2 1/4 lbs.	3 1/2 lbs.
INLET & OUTLET DIAMETER	3/4"	1"



REFILL
B4
B6



SUNDSTRAND OIL BURNER PUMPS



Single Stage

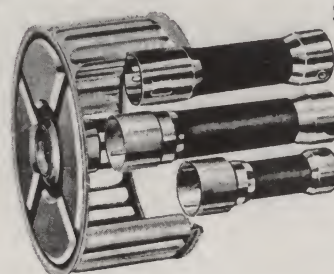
Two Stage

No. 0 Rings for Sundstrand Pumps
No. 100291 Seal Caps

No. 100301 Seal Springs
No. 101861 Steel Washers
No. 100319 Steel Assembly

Guardian Flexible Couplings

SPLINED SLEEVE



2-ST5

2-SN

1-SN

PUROLATOR PF-2002



Fits all standard Oil Burners.
Permits flow capacity up to 7000 gallons a year.

Easy to install and maintain.

Width 4" Weight 1 1/4 lbs.
Height 5 3/4" Air Bleed Vent

Connections 3/8" 18 N.P.T



"MICRONIC" REFILL

PF-200

Over 100 G. P. H. Gravity

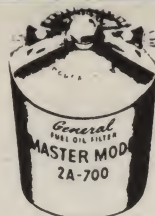
Flow Capacity.

The Purolator PF-200 Refill is interchangeable with Fulflo B-4, General 1A-25 and Eddington S-254 Filters.

GENERAL FILTERS



2A-300



2A-700



1A-25

DELUXE MODEL 2A-300	MASTER MODEL 2A-700	STANDARD MODEL 1A-25
JUMBO SIZE FOR LARGE SYSTEMS AND DIRTY TANKS	ADEQUATE CAPACITY FOR AVERAGE SIZE AND LARGE HOMES	IDEAL FOR SMALL HOMES, SPACE HEATERS AND HOT WATER HEATERS

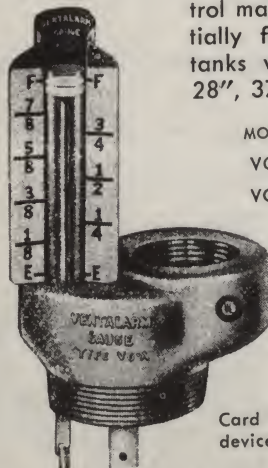
REPLACEMENT CARTRIDGES

C1203 Fram	1A30 General
C1210 Fram	2A311 General
RF4 Fulflo	2A710 General
RF6 Fulflo	PF200 Purolator

VENTALARM GAUGE

(Listed as Standard by Underwriters Laboratories)

You install one item instead of three. Goes on new tank as an integral part of vent pipe. No reducing bushing needed. "Button-Lift" arm control makes installation easy even in partially filled tank. For 275 gal. cellar tanks with depths of 24", 26", 27", 28", 37", 42", 44", and 47".



MODEL	BOTTOM	TOP
VG-A	2"	1 1/4"
VG-B	1 1/2"	1 1/4"

SPECIFY TANK DEPTH
AND TANK OPENING

Card for identification of your company with device. Fits on top of gauge plate.



VENTALARM® Signal

Driver never need enter the home. Safe, clean delivery is guaranteed day or night. Assures proper level fills with no reason for seepage or odor. Prevents rupture of tank gauges.

BOTTOM	TOP
1 1/4" male	1 1/4" female

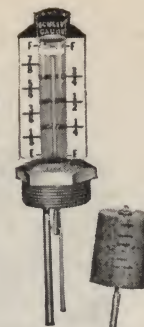
Type LA NO. 201

Separate SCULLY® GAUGE

(Underwriters Approved)

Cork float. Jam-proof lever arm. Face adjustable to any direction. Can be read from rear. "Button-Lift" arm control for easy installation in partially filled tanks. For these tank depths: 24", 26", 27", 28", 42", 44", 47".

MODEL	BOTTOM	PRICE
GB	1 1/2"	\$1.55



SPECIFY TANK DEPTH

TORRID CAST REFRACTORY CEMENT

50 AND 100 LB. BAGS

100 LBS. WILL LAY 0.80 CU. FT.

NEW — IMPROVED

"GLO-LITE"

Combustion Chambers
HEAT UP FASTER

Installs Faster — (Half as Many Pieces). Better Combustion — Proved By Thousands of Installations. (BACK FILL, BAFFLE TILE included with each Chamber.)



SPECIFICATIONS OF STANDARD "GLO-LITE"

COMBUSTION CHAMBERS

No.	Rating G. P. H.	O. Dia.	I. Dia.	Over- all Hgt.	I. Depth	Approx. Shpg. Wgt.	Air Tube Open.	Hgt. CL Air Tube Open.
755A	0.75-1.00	12 1/2"	9 1/2"	15"	13 1/2"	23 lbs.	5"	5 1/4"
1005A	1.00-1.25	13 1/2"	10 1/2"	15"	13 1/2"	24 lbs.	5"	5 1/4"
1355A	1.35-1.50	15"	12"	15"	13 1/2"	30 lbs.	5"	5 1/2"
1505A	1.50-2.00	16 1/2"	13 1/2"	15"	13 1/2"	32 lbs.	5 1/2"	5 1/2"
2005A	2.00-2.50	17"	14"	15"	13 1/2"	34 lbs.	5 1/2"	5 1/2"

Zonolite Brand Vermiculite Fill Type Insulation



Insulating fill for combustion chambers on oil burner work.

Virtually eliminates heat losses. Easily installed: merely pour it from the bag into the backfill area between the combustion chamber and the furnace hearth.

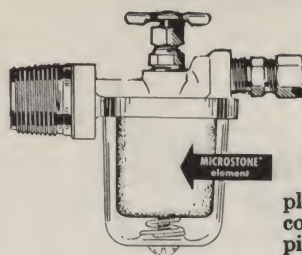
High fusion point is in excess of 2400°F. Insulating fill eliminates burner rumble and minimizes annoying operational noise. It keeps the chamber warm during the off-cycle and affords high CO₂ reading with consequent fuel saving. Ratproof and permanent, it does not deteriorate and need not be replaced. Easily fills around flanges and tie rods: no packing or compressing.

Chemically inert, this insulating fill will not irritate the worker's skin nor attack metal or firebrick.

Average weight per 4-cubic-foot bag, 20 pounds.

DRUM AND TANK FILTER

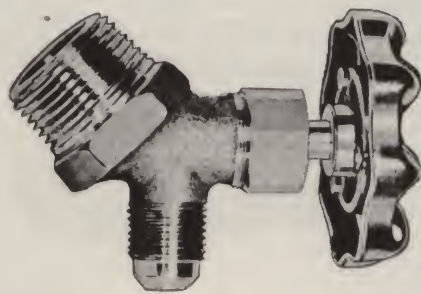
Installed on the drum or tank, it assures a clean free-flowing oil supply and maximum heating efficiency with a clean burner always. Removes dirt, scale, water and all foreign substance before they reach the burner. Microstone ceramic cement filter.



No. F 10 B—Fits tank or drum

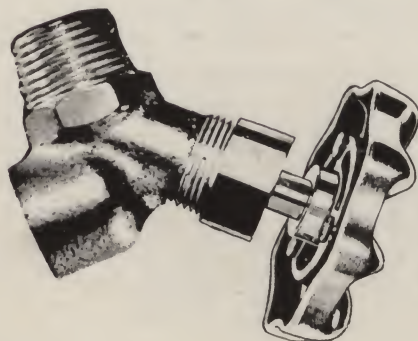
A complete unit including filter, shut-off cock and tank fittings. Inlet— $\frac{3}{4}$ " iron pipe. Outlet— $\frac{1}{4}$ " iron pipe or $\frac{3}{8}$ " O. D. copper tubing. 2.80 ea.

TANK VALVES



The $\frac{3}{4}$ in. male pipe end screws directly into oil drum or oil tank and permits copper tubing to be connected to flare end to go directly to oil burner, space heater, etc. Preferred by many for quick, easy and convenient method of installation.

Part Nos.	Flare Tube Size	Male Pipe Size	Each
6-0V	$\frac{3}{8}$ in. O.D.	$\frac{1}{2}$ in.	1.64
7-0V	$\frac{3}{8}$ in. O.D.	$\frac{3}{4}$ in.	1.64
8-0V	$\frac{1}{2}$ in. O.D.	$\frac{3}{4}$ in.	1.64
70-0V	$\frac{1}{2}$ in. O.D.	$\frac{1}{2}$ in.	1.64



This valve is much more practical in application because the distance between the bottom outlet and the end of the tank varies with tank design. Where an oil filter is used, a nipple of the correct length is easily screwed into the 10-0V valve with the filter on the other end. Where copper or pipe is used it may be screwed directly into the valve with the proper fittings. This feature makes the AMC valve much more universal in its adaptability.

Part No.	Inlet Male Pipe Size	Outlet Female Pipe Size	Each
10-0V	$\frac{1}{2}$ in.	$\frac{3}{8}$ in.	1.64

TANK VALVES

#1200-



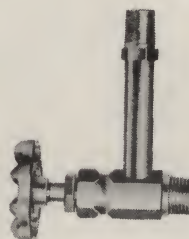
Furnished in $\frac{3}{8}$ " or $\frac{1}{2}$ " Flared or Compression outlets. I. P. S. specifications of $\frac{3}{4}$ ".

Front opening angle type. Furnished in $\frac{1}{2}$ " I.P.S. x Filter $\frac{3}{8}$ " I.P.S.



#1901

#1910



Under tank location — Length of filter long enough to install, service, and disassemble without disturbing filter element. $\frac{1}{2}$ " x $\frac{3}{8}$ " Filter I. P. S.

Hinged Fill Cap



2" Female Threads

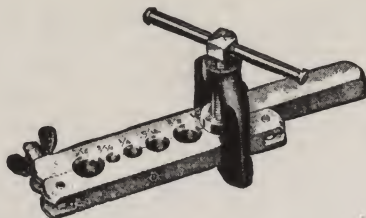
OBROUND OIL STORAGE TANKS



1- $\frac{1}{2}$ " x 12" BLACK TANK LEGS(set 4)
1- $\frac{1}{2}$ " x 18" BLACK TANK LEGS(set 4)

NO. 1226 FLARING & CUTTING TOOL KIT

FLARING TOOLS



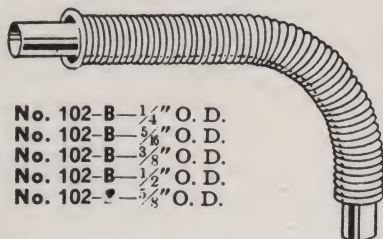
Quickly gives the proper 45° flare to soft copper, brass or aluminum tubing to make up tight S.A.E. flare joints without cracking or splitting the tubing. Tubing can be clamped, flared and removed in less than 30 seconds.

No. 93-F—Flares $\frac{3}{16}$ ", $\frac{1}{4}$ ", $\frac{5}{16}$ ", $\frac{3}{8}$ ", $\frac{7}{16}$ ", $\frac{1}{2}$ " O.D. Tubing.

No. 95-F—Flares $\frac{1}{4}$ ", $\frac{5}{16}$ ", $\frac{3}{8}$ ", $\frac{1}{2}$ " and $\frac{5}{8}$ " O.D. Tubing.

No. 95-FS—Same as 95-F, except with swivel cone.

SPRING TUBE BENDER



No. 102-B— $\frac{1}{4}$ " O. D.

No. 102-B— $\frac{5}{16}$ " O. D.

No. 102-B— $\frac{3}{8}$ " O. D.

No. 102-B— $\frac{1}{2}$ " O. D.

No. 102-B— $\frac{5}{8}$ " O. D.

External type. A low cost tool for bending tubing to any shape by hand without kinking. Made in 5 sizes.

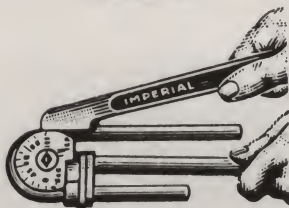
CUTTING



No. 274-F Hi-Duty Cutter for $\frac{1}{8}$ " to 1" O.D. Tubing.
Overall length 4 $\frac{1}{2}$ ". Wt. 6 oz.

No. 312-F Hi-Duty Cutter for $\frac{1}{4}$ " to 1 $\frac{3}{8}$ " O.D. Tubing.
Overall length 5 $\frac{1}{2}$ ". Wt. 7 oz.

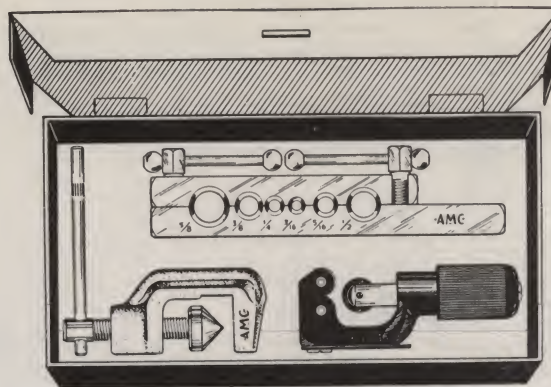
BENDING



Catalog Number	Outside Diameter of Tubing	Radius to Center of Tube
364-F	$\frac{3}{16}$ "*	$\frac{7}{16}$ "
364-F	$\frac{1}{4}$ "	$\frac{9}{16}$ "
364-F	$\frac{5}{16}$ "	$\frac{11}{16}$ "
364-F	$\frac{3}{8}$ "	$\frac{13}{16}$ "
364-F	$\frac{7}{16}$ "	$\frac{15}{16}$ "
364-F	$\frac{1}{2}$ "	1 $\frac{1}{2}$ "
364-FA	$\frac{5}{8}$ "	2 $\frac{1}{4}$ "
364-FA	$\frac{3}{4}$ "	3"

*Can also be used for $\frac{1}{8}$ " tubing

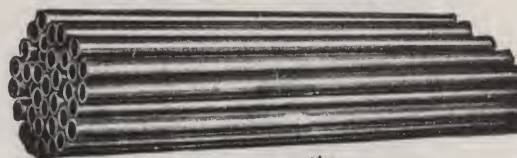
Specify Catalog Number and Size When Ordering



Consists of: #395 "AMC" Flaring Tool ($\frac{3}{16}$ " to $\frac{5}{8}$ ")

#500 Tube Cutter

COPPER WATER TUBE



Straight Lengths



Coils

Type K, Underground Services

(The $\frac{3}{4}$ -inch size has .065 inch wall thickness.) Type K in soft temper is used for under-ground water service lines. It is also used in hard and soft temper for general plumbing purposes

Type L, General Plumbing Purposes

(The $\frac{3}{4}$ -inch size has .045-inch wall thickness.) Type L is used for general plumbing purposes.

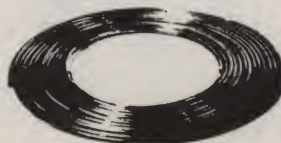
COPPER REFRIGERATION TUBE

EXTRA SOFT—DEOXIDIZED—BRIGHT ANNEALED DEHYDRATED—SPECIAL SEALED ENDS

O.D. In.	Wall Thick. In.	Weight Lbs. per Lin. Ft.	Weight Lbs. per 50 ft. Coil (Approx.)
$\frac{1}{8}$	.030	.0347	1.74
$\frac{3}{16}$	.030	.0575	2.88
$\frac{1}{4}$	.030	.0804	4.02
$\frac{5}{16}$	.032	.109	5.45
$\frac{3}{8}$	.032	.134	6.70
$\frac{1}{2}$	.032	.182	9.10
$\frac{5}{8}$	.035	.251	12.55
†† $\frac{3}{4}$	.035	.305	15.25

COPPER TUBING - SOFT

50' Coil of seamless and sealed refrigeration tubing in sizes $\frac{1}{4}$ " $\frac{3}{4}$ ", $\frac{7}{8}$ " & 1 $\frac{1}{8}$ " are Type L water tubing. Current market prices prevail.

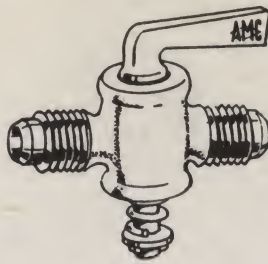


Act.
O. D.

$\frac{1}{4}$ "
 $\frac{3}{8}$ "
 $\frac{1}{2}$ "

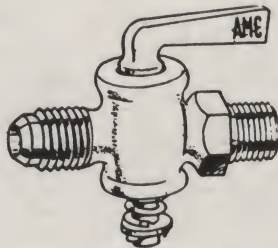
$\frac{5}{8}$ "
 $\frac{3}{4}$ "
 $\frac{7}{8}$ " (60)
1 $\frac{1}{8}$ " (60)

SHUT-OFF COCKS



Flare to flare.

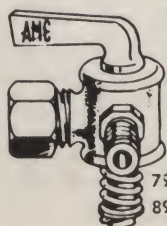
- No. 28 SAE**— $\frac{1}{4}$ " O. D. flare to $\frac{1}{4}$ " O. D. flare..... 1.20 ea.
No. 30 SAE— $\frac{5}{8}$ " O. D. flare to $\frac{5}{8}$ " O. D. flare..... 1.40 ea.
No. 58 SAE— $\frac{3}{4}$ " O. D. flare to $\frac{3}{4}$ " O. D. flare..... 1.25 ea.
No. 68 SAE— $\frac{1}{2}$ " O. D. flare to $\frac{1}{2}$ " O. D. flare..... 1.80 ea.
No. 1010 SAE— $\frac{5}{8}$ " O. D. flare to $\frac{5}{8}$ " O. D. flare..... 2.50 ea.



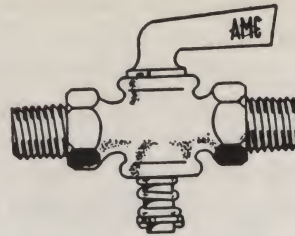
Flare to male pipe.

- No. 27 SAE**— $\frac{1}{4}$ " O. D. flare to $\frac{1}{8}$ " male pipe..... 1.20 ea.
No. 227 SAE— $\frac{1}{4}$ " O. D. flare to $\frac{1}{4}$ " male pipe..... 1.40 ea.
No. 29 SAE— $\frac{5}{8}$ " O. D. flare to $\frac{1}{8}$ " male pipe..... 1.20 ea.
No. 229 SAE— $\frac{5}{8}$ " O. D. flare to $\frac{1}{4}$ " male pipe..... 1.35 ea.
No. 57 SAE— $\frac{3}{8}$ " O. D. flare to $\frac{1}{4}$ " male pipe..... 1.35 ea.
No. 557 SAE— $\frac{3}{8}$ " O. D. flare to $\frac{3}{8}$ " male pipe..... 1.40 ea.
No. 577 SAE— $\frac{3}{8}$ " O. D. flare to $\frac{1}{2}$ " male pipe..... 2.00 ea.
No. 57 SAE— $\frac{1}{2}$ " O. D. flare to $\frac{3}{8}$ " male pipe..... 2.20 ea.
No. 77 SAE— $\frac{1}{2}$ " O. D. flare to $\frac{1}{2}$ " male pipe..... 2.40 ea.
No. 1077 SAE— $\frac{5}{8}$ " O. D. flare to $\frac{1}{2}$ " male pipe..... 2.60 ea.

Tube to Male Pipe

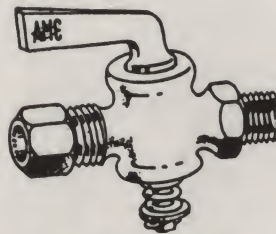


	O.D. Tube Size	Pipe Size	Each
79-C	5 16"	1 8"	1.50
89-C	1 4"	1 8"	1.45



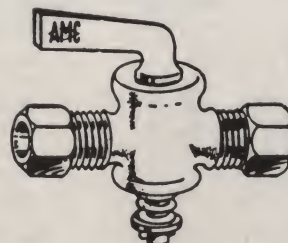
Male pipe to male pipe.

- No. 76 P**— $\frac{1}{8}$ " male pipe to $\frac{1}{8}$ " male pipe..... 1.00 ea.
No. 77 P— $\frac{1}{4}$ " male pipe to $\frac{1}{4}$ " male pipe..... 1.40 ea.
No. 78 P— $\frac{3}{8}$ " male pipe to $\frac{3}{8}$ " male pipe..... 1.80 ea.



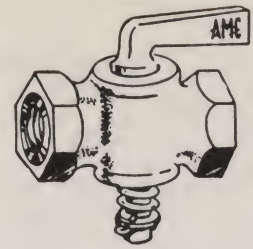
Copper to male pipe.

- No. 27 C**— $\frac{1}{4}$ " O. D. copper to $\frac{1}{8}$ " male pipe..... 1.20 ea.
No. 227 C— $\frac{1}{4}$ " O. D. copper to $\frac{1}{4}$ " male pipe..... 1.40 ea.
No. 29 C— $\frac{5}{8}$ " O. D. copper to $\frac{1}{8}$ " male pipe..... 1.30 ea.
No. 229 C— $\frac{5}{8}$ " O. D. copper to $\frac{1}{4}$ " male pipe..... 1.40 ea.
No. 57 C— $\frac{3}{8}$ " O. D. copper to $\frac{1}{4}$ " male pipe..... 1.50 ea.
No. 557 C— $\frac{3}{8}$ " O. D. copper to $\frac{3}{8}$ " male pipe..... 1.50 ea.
No. 67 C— $\frac{1}{2}$ " O. D. copper to $\frac{3}{8}$ " male pipe..... 2.40 ea.
No. 87 C— $\frac{1}{2}$ " O. D. copper to $\frac{1}{2}$ " male pipe..... 2.50 ea.



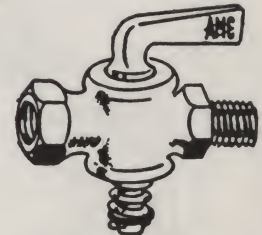
Tube to tube.

- No. 28 C**— $\frac{1}{4}$ " O. D. copper to $\frac{1}{4}$ " O. D. copper..... 1.30 ea.
No. 30 C— $\frac{5}{8}$ " O. D. copper to $\frac{5}{8}$ " O. D. copper..... 1.40 ea.
No. 58 C— $\frac{3}{8}$ " O. D. copper to $\frac{3}{8}$ " O. D. copper..... 1.60 ea.
No. 68 C— $\frac{1}{2}$ " O. D. Copper to $\frac{1}{2}$ " O. D. copper..... 2.60 ea.



Female pipe to female pipe.

- No. 31 P**— $\frac{1}{8}$ " female to $\frac{1}{8}$ " female pipe..... 1.00 ea.
No. 32 P— $\frac{1}{4}$ " female to $\frac{1}{4}$ " female pipe..... 1.20 ea.
No. 40 P— $\frac{3}{8}$ " female to $\frac{3}{8}$ " female pipe..... 2.10 ea.
No. 80 P— $\frac{1}{2}$ " female to $\frac{1}{2}$ " female pipe..... 2.50 ea.
No. 120 P— $\frac{3}{4}$ " female to $\frac{3}{4}$ " female pipe..... 2.50 ea.



Female pipe to male pipe.

- No. 48 P**— $\frac{1}{8}$ " female to $\frac{1}{8}$ " male pipe..... 1.00 ea.
No. 49 P— $\frac{1}{4}$ " female to $\frac{1}{4}$ " male pipe..... 1.20 ea.
No. 50 P— $\frac{3}{8}$ " female to $\frac{3}{8}$ " male pipe..... 1.95 ea.
No. 51 P— $\frac{1}{2}$ " female to $\frac{1}{2}$ " male pipe..... 3.25 ea.

Nos. 119 Female Pipe Both Ends Reducer

Pipe Size	Per 100
1/4x1/8	22.00 C
3/8x1/8	36.00 C
3/8x1/4	34.00 C
1/2x1/4	82.00 C
1/2x3/8	53.00 C
3/4x1/2	150.00 C

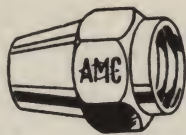
Nos. 123 REDUCERS



Male pipe reducers.

Pipe Size	Per 100
1/4x1/8	26.00 C
3/8x1/4	55.00 C
1/2x8/8	62.00 C

Nos. FLARE NUTS
441-S



O. D. Tube Size	Per 100
1/4	10.00 C
5/16	12.00 C
3/8	11.90 C
1/2	18.50 C
5/8	29.50 C
3/4	55.00 C
7/8	145.00 C

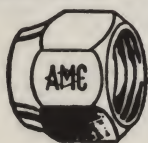
Nos. 6401-S



Standard short heavy forged flare nuts.

O. D. Tube Size	Per 100
1/4	17.00 C
5/16	20.00 C
3/8	19.00 C
1/2	27.00 C
5/8	37.00 C
3/4	62.00 C

Nos. REDUCING FLARE NUTS
6602-S



O. D. Tube Size	Per 100
3/8x1/4	25.00 C
1/2x3/8	30.00 C
5/8x1/2	43.00 C
3/4x1/2	78.00 C
3/4x5/8	78.00 C

Nos. UNIONS
402



Flare to flare.

O. D. Tube Size	Per 100
1/4	13.00 C
5/16	16.00 C
3/8	20.00 C
1/2	30.00 C
5/8	53.00 C
3/4	110.00 C

Nos. REDUCING UNIONS
506



Flare to reducing flare.

O. D. Tube Size	Per 100
3/8x1/4	30.00 C
1/2x3/8	38.00 C
5/8x1/2	90.00 C
3/4x1/2	150.00 C
3/4x5/8	150.00 C

FLARE FITTINGS

Genuine

ANDERSON METALS CORPORATION

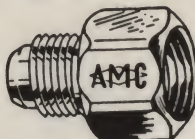
Overland Park, Kansas

For Gas (natural, manufactured, LP), oil, water, etc.

Note—When ordering always state tubing size **first**. All tube sizes are outside diameter.

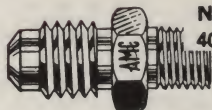
Be sure to order enough flare nuts for fittings.

Nos. FEMALE COUPLINGS
406



Flare to female pipe.

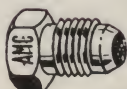
O. D. Tube Size	Pipe Size	Per 100
1/4x1/8		15.00 C
1/4x1/4		23.00 C
5/16x1/8		20.00 C
5/16x1/4		30.00 C
3/8x1/8		42.00 C
3/8x1/4		22.00 C
3/8x3/8		25.00 C
3/8x1/2		38.00 C
3/8x3/4		48.00 C
1/2x3/8		32.00 C
1/2x1/2		39.00 C
1/2x3/4		48.00 C
5/8x3/8		84.00 C
5/8x1/2		46.00 C
5/8x3/4		50.00 C
3/4x1/2		126.00 C
3/4x3/4		99.00 C



Nos. HALF UNIONS
408

Flare to male pipe.

O. D. Tube Size	Pipe Size	Per 100
1/4x1/8		11.00 C
1/4x1/4		14.00 C
1/4x3/8		33.00 C
5/16x1/8		15.00 C
5/16x1/4		18.00 C
3/8x1/8		19.00 C
3/8x1/4		16.00 C
3/8x3/8		20.00 C
3/8x1/2		29.50 C
3/8x3/4		53.00 C
1/2x1/4		31.00 C
1/2x3/8		27.00 C
1/2x1/2		31.00 C
1/2x3/4		58.00 C
5/8x3/8		65.00 C
5/8x1/2		40.00 C
5/8x3/4		60.00 C
3/4x3/8		130.00 C
3/4x1/2		80.00 C
3/4x3/4		92.00 C



Nos. BRASS FLARE PLUGS
439

O. D. Tube Size	Per 100
1/4	16.00 C
3/8	25.00 C
1/2	37.00 C
5/8	58.00 C
3/4	99.00 C

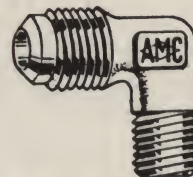
BRASS FLARE CAP NUTS

Nos. 440



O. D. Tube Size	Per 100
1/4	10.00 C
3/8	14.50 C
1/2	21.00 C
5/8	34.00 C
3/4	80.00 C

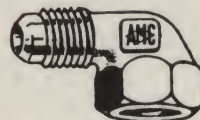
Nos. ELBOWS
409



Flare to male pipe.

O. D. Tube Size	Pipe Size	Per 100
1/4x1/8		21.00 C
1/4x1/4		24.00 C
5/16x1/8		20.00 C
5/16x1/4		24.00 C
5/16x3/8		60.00 C
3/8x1/8		30.00 C
3/8x1/4		29.00 C
3/8x3/8		32.00 C
3/8x1/2		46.00 C
3/8x3/4		71.00 C
1/2x1/4		42.00 C
1/2x3/8		42.00 C
1/2x1/2		48.00 C
1/2x3/4		73.00 C
5/8x1/2		72.00 C
5/8x3/4		79.00 C
3/4x1/2		120.00 C
3/4x3/4		130.00 C

Nos. ELBOWS
500



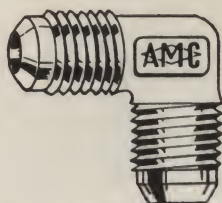
Flare to female pipe.

O. D. Tube Size	Pipe Size	Per 100
1/4x1/8		23.00 C 5
5/16x1/8		28.00 C 6
5/16x1/4		44.00 C 7
3/8x1/4		32.00 C 10
3/8x3/8		47.00 C 15
3/8x1/2		50.00 C 17
3/8x3/4		52.00 C 25
1/2x3/8		55.00 C 15
1/2x1/2		53.00 C 30
1/2x3/4		57.00 C 25
5/8x1/2		60.00 C 35

Note—When ordering always state tubing size **first**. All tube sizes are outside diameter.

Be sure to order enough flare nuts for fittings.

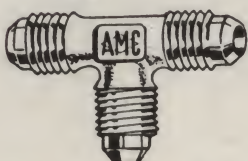
Nos. ELBOWS
505



Flare to flare.

O. D. Tube Size	Per 100
1/4	23.00 C
3/8	34.00 C
1/2	52.00 C
5/8	80.00 C
3/4	144.00 C

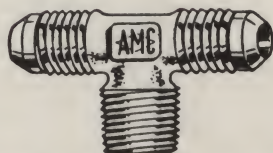
Nos. TEES
404



Flare to flare to flare.

O. D. Tube Size	Per 100
1/4	30.00 C
5/16	34.00 C
3/8	43.00 C
1/2	63.00 C
5/8	98.00 C
3/4	200.00 C

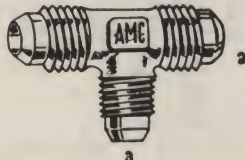
Nos. TEES
405



Flare to flare to male Pipe

O. D. Tube Size	Pipe Size	Per 100
1/4x1/8		33.00 C
5/16x1/8		40.00 C
1/2x3/8		66.00 C
1/2x1/2		120.00 C
5/8x1/2		130.00 C

Nos. REDUCING FLARE TEES
509



Flare to flare to flare.

O. D. Tube Size	Per 100
3/8x3/8x1/4	95.00 C
3/8x1/2x3/8	110.00 C
3/8x3/8x1/2	90.00 C
1/2x1/2x3/8	73.00 C
1/2x1/2x3/4	315.00 C
5/8x5/8x1/2	120.00 C
3/4x3/4x1/2	315.00 C

FLARE FITTINGS

For Gas (natural, manufactured, LP,) oil, water, etc.

Note—When ordering always state tubing size **first**. All tube sizes are outside diameter. Be sure to order enough flare nuts for fittings.

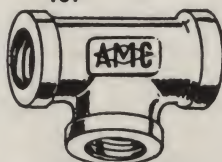
Nos. ELBOWS
100

Female pipe both ends.



Pipe Size	Per 100
1/8	22.00 C
1/4	35.00 C
3/8	52.00 C
1/2	70.00 C
3/4	135.00 C

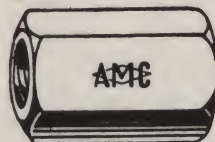
Nos. TEES
101



Female pipe three ends.

Pipe Size	Per 100
1/8	26.00 C
1/4	42.00 C
3/8	76.00 C
1/2	90.00 C
3/4	150.00 C

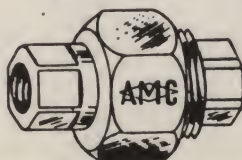
Nos. COUPLINGS
103



Female pipe both ends.

Pipe Size	Per 100
1/8	16.00 C
1/4	23.00 C
3/8	37.00 C
1/2	60.00 C
3/4	150.00 C

Nos. UNIONS
104



Female pipe both ends.

Pipe Size	Per 100
1/8	80.00 C
1/4	136.00 C
3/8	160.00 C
1/2	210.00 C

Nos. BUSHINGS
110



Pipe Size	Per 100
1/4x1/8	12.00 C
3/8x1/8	20.00 C
3/8x1/4	18.00 C
1/2x1/8	33.00 C
1/2x1/4	33.00 C
1/2x3/8	28.00 C
3/4x1/4	61.00 C
3/4x3/8	61.00 C
3/4x1/2	61.00 C
1x1/2	96.00 C
1x3/4	110.00 C

Nos. 109 PLUGS



Pipe Size	Per 100
1/4	15.00 C
3/8	23.00 C
1/2	30.00 C
3/4	48.00 C

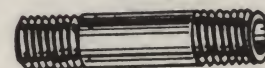
Nos. 112 NIPPLES



Close nipples.

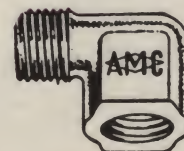
Pipe Size	Per 100
1/4	21.00 C
3/8	26.00 C
1/2	40.00 C
3/4	50.00 C

Nos. 113 Long Nipple



Pipe Size	Per 100
1/8x1-1/2	20.00 C
1/4x1-1/2	26.00 C
3/8x1-1/2	32.00 C
1/2x1-1/2	60.00 C
1/8x2	22.00 C
1/4x2	30.00 C
3/8x2	36.00 C
1/2x2	50.00 C
1/8x2-1/2	26.00 C
1/4x2-1/2	36.00 C
3/8x2-1/2	42.00 C
1/2x2-1/2	60.00 C
1/8x3	27.00 C
1/4x3	37.00 C
3/8x3	44.00 C
1/2x3	61.00 C
1/8x3-1/2	40.00 C
1/4x3-1/2	42.00 C
3/8x3-1/2	51.00 C
1/2x3-1/2	63.00 C
1/8x4	45.00 C
1/4x4	48.00 C
3/8x4	60.00 C
1/2x4	86.00 C

Nos. STREET ELBOWS
116



Pipe Size	Per 100
1/8	20.00 C
1/4	32.00 C
3/8	50.00 C
1/2	76.00 C
3/4	115.00 C

BRASS COMPRESSION FITTINGS

Nos. SLEEVES 60



O. D. Tube Size	Per 100
1/8	2.00 C
3/16	2.00 C
1/4	2.00 C
5/16	2.50 C
3/8	3.00 C
1/2	6.00 C
5/8	12.00 C
3/4	16.00 C

Nos. NUTS 61



O. D. Tube Size	Per 100
1/8	5.00 C
3/16	6.00 C
1/4	7.00 C
5/16	9.00 C
3/8	10.00 C
1/2	16.00 C
5/8	24.00 C
3/4	40.00 C

Nos. UNIONS 62



Tubing to tubing.

O. D. Tube Size	Per 100
1/8	25.00 C
3/16	21.00 C
1/4	22.00 C
5/16	27.00 C
3/8	33.00 C
1/2	65.00 C
5/8	110.00 C
3/4	180.00 C

Nos. TEES 64

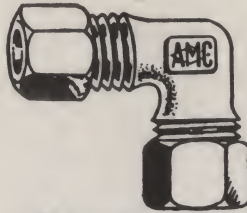


Tubing to tubing to tubing.

O. D. Tube Size	Per 100
1/8	40.00 C
3/16	46.00 C
1/4	45.00 C
5/16	50.00 C
3/8	62.00 C
1/2	112.00 C
5/8	190.00 C
3/4	380.00 C

For connecting brass, copper, aluminum, Shelby or Bundy tubing. Unnecessary to flare, thread or solder the tubing—just insert the tube and tighten the nut. This compresses the sleeve and makes a perfect joint.

Nos. ELBOWS 65



Tubing to tubing.

O. D. Tube Size	Per 100
1/8	26.00 C
3/16	34.00 C
1/4	30.00 C
5/16	40.00 C
3/8	45.00 C
1/2	80.00 C

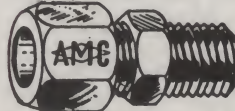
Nos. FEMALE COUPLINGS 66



Tubing to female pipe.

O. D. Tube Size	Pipe Size	Per 100
1/8x1/8		24.00 C
3/16x1/8		18.00 C
1/4x1/8		20.00 C
1/4x1/4		28.00 C
5/16x1/8		24.00 C
5/16x1/4		29.00 C
3/8x1/4		30.00 C
3/8x3/8		40.00 C
3/8x1/2		86.00 C
1/2x3/8		54.00 C
1/2x1/2		90.00 C
5/8x1/2		120.00 C

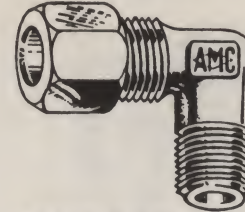
Nos. CONNECTORS 68



Tubing to male pipe.

O. D. Tube Size	Pipe Size	Per 100
1/8x1/8		13.00 C
3/16x1/8		15.00 C
3/16x1/4		23.00 C
1/4x1/8		15.00 C
1/4x1/4		18.00 C
1/4x3/8		40.00 C
1/4x1/2		98.00 C
5/16x1/8		17.00 C
5/16x1/4		20.00 C
3/8x1/8		24.00 C
3/8x1/4		24.00 C
3/8x3/8		30.00 C
3/8x1/2		55.00 C
1/2x1/4		51.00 C
1/2x3/8		40.00 C
1/2x1/2		50.00 C
5/8x1/2		62.00 C
3/4x1/2		116.00 C
3/4x3/4		120.00 C

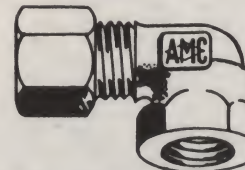
Nos. ELBOWS 69



Tubing to male pipe.

O. D. Tube Size	Pipe Size	Per 100
1/8x1/8		23.00 C
3/16x1/8		23.00 C
1/4x1/8		25.00 C
1/4x1/4		26.00 C
1/4x3/8		70.00 C
5/16x1/8		27.00 C
5/16x1/4		29.00 C
3/8x1/8		33.00 C
3/8x1/4		35.00 C
3/8x3/8		45.00 C
1/2x3/8		56.00 C
1/2x1/2		80.00 C
5/8x1/2		106.00 C
3/4x1/2		180.00 C
3/4x3/4		225.00 C

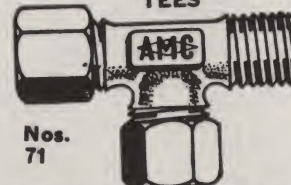
Nos. ELBOWS 70



Tubing to female pipe.

O. D. Tube Size	Pipe Size	Per 100
1/4x1/8		26.00 C
5/16x1/8		32.00 C
3/8x1/4		42.00 C
1/2x3/8		70.00 C
5/8x1/2		166.00 C

TEES



Nos. TEES 71

Tubing to male pipe to tubing.



Nos. TEES 72

Tubing to tubing to male pipe.

O. D. Tube Size	Pipe Size	Per 100
1/4x1/8		38.00 C
5/16x1/8		46.00 C
3/8x1/4		60.00 C
1/2x3/8		118.00 C
1/2x1/2		212.00 C
5/8x1/2		220.00 C

Minneapolis-Honeywell

T86A THERMOSTAT



This two-wire, Series 80 temperature controller is adaptable to both Series 80 and Series 10 applications.

The temperature selector and thermometer scale are combined in one easy-to-read dial. A mercury switch assures positive, dust-free contact operation for the life of the thermostat. The T86A has an adjustable heater which provides a means of regulating the ON-OFF operation of most primary controls for best comfort.

T42A HEAVY DUTY THERMOSTAT

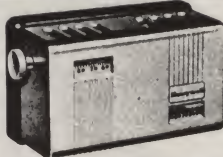
The T42A line voltage thermostat makes contact on temperature drop. It may be used in either line or low voltage circuits to control heating systems. Provided with a proven, dependable mercury switch, this thermostat directly handles line voltage loads.

FINISH: Silver bronze.
DIMENSIONS: Height $5\frac{1}{4}$ ", width $3\frac{3}{4}$ ", depth $2\frac{1}{4}$ ".
DIFFERENTIAL: Non-adjustable, 2 to 3 F.



TA42A LINE VOLTAGE THERMOSTAT

This heavy duty thermostat makes contact on temperature drop. The TA42A is designed for accurate and dependable control of line voltage heating equipment. It is capable of directly handling motor driven units, blowers, and other line voltage loads. Horizontally mounted, maximum circulation of air is allowed over the temperature sensing bellows.



T44A LIGHT DUTY THERMOSTAT

This snap-acting, bimetal actuated line voltage room thermostat makes contact on temperature drop. It is suitable for either line or low voltage applications. The T44A may be used for direct control of small motors, unit heaters, coal blowers, automatic burners, relays, motor starters, and similar equipment.

FINISH: Silver bronze.
DIFFERENTIAL: Adjustable, $1\frac{1}{2}$ to 6 F.
DIMENSIONS: Height 5", width 2", depth $1\frac{1}{8}$ ".



TM850A COMFORT CHRONOTHERM*

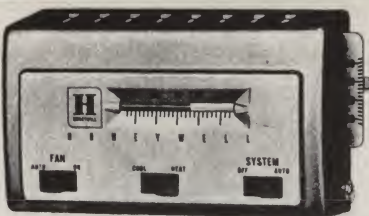


The TM850A electric clock thermostat is equipped with a universal backplate for Series 10 or Series 80 applications. Standard voltage is 115 volts, 60 cycles.

The Comfort Chronotherm automatically lowers the room temperature at night for a desired period of time (minimum six hours) and raises the temperature in the morning to provide both day and night comfort.

Two handy fingertip levers allow convenient changing of day and night settings. A handsome, easy-to-read clock set in the rich-looking silver bronze case makes this thermostat an attractive addition to any home.

TA830 HEATING-COOLING THERMOSTATS



The new TA830 Heating-Cooling Thermostats are designed to provide complete control of year-round heating and cooling systems. They are for use with the W203 and W212 Heating-Cooling Panels or with low-voltage valves, motors or relays. Switches are provided for manual selection of heating or cooling system operation, automatic or constant fan operation, and automatic thermostat control or positive OFF.

H64A HUMIDITY CONTROLLER

The H64A is an inexpensive, dependable controller of humidifying and dehumidifying systems. It is adaptable to almost any application where humidity is a problem. The H64A Humidity Controller uses a human hair sensing element to actuate an S.P.D.T. enclosed snap switch.

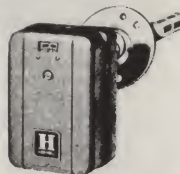
FINISH: Silver bronze.



LA419A, B, LA219A AIRSTATS*

Designed for bonnet mounting, these Airstats are used primarily as a high limit control for warm air furnaces. The LA419A and LA419B are equipped with an S.P.S.T. switch which breaks contact on temperature rise and the LA219A with a S.P.D.T. switch. Swivel mounting bracket with $10\frac{1}{2}$ " insertion length is standard.

FINISH: Grey wrinkle.
DIMENSIONS: Height $4\frac{3}{8}$ ", width 3", depth $2\frac{1}{4}$ ".



LA412A FURNACESTAT*

The Furnacestat is a furnace fan controller which prevents operation of the fan until the required bonnet temperature has been reached. A "summer" setting provides continuous operation of the fan. A mercury switch is used to control the fan circuit in this device.

DIFFERENTIAL: Adjustable, approximately 15 to 65 F.

CASE DIMENSIONS: Height $4\frac{3}{8}$ ", width 3", depth $2\frac{1}{4}$ ".

INSERTION LENGTH: $10\frac{1}{2}$ " maximum for swivel bracket mounting.



LA409A, B SURFACE AQUASTAT*

These two wire line voltage Aquastats are designed for surface mounting. The LA409A is used as a limit or safety control in conjunction with a room thermostat. The LA409B is a reverse acting controller most often used to prevent fan operation when there is no steam in the unit heater coil. A bimetal actuated mercury switch provides S.P.S.T. switching. A convenient mounting bracket together with pipe strap make installation quick and easy. No tapping of the boiler or draining of the system is necessary.



RA817A PROTECTORELAY*

The RA817A is a stack-mounted, intermittent ignition Protectorelay designed to cycle and safeguard the operation of domestic oil burners. The U-shaped bimetal operates quickly and reliably in low stack temperatures. The flat terminal board allows easy terminal connecting. A small, low voltage, built-in transformer supplies electrical power for a thermostat or other type of controller. The safety switch is ambient temperature compensated so that changing temperatures do not affect its timing.



L4006A, L4006B IMMERSION AQUASTAT*

Fast acting Aquastats for low limit or high limit (L4006A) and circulator control (L4006B). The liquid filled element detects the boiler water temperature changes quickly making the L4006 particularly adaptable for the small modern boiler. Each L4006 is equipped with an enclosed snap switch.

FINISH: Grey wrinkle.

DIFFERENTIAL: Non-adjustable, approximately 5 F.

CASE DIMENSIONS: Height $5\frac{3}{8}$ ", width 2", depth $2\frac{1}{8}$ ".



P404A, P404B PRESSURETROL*

This Pressuretrol is designed for two-wire, line voltage application on steam heating systems. It is also available for controlling air, liquid, or non-combustible gases, providing their chemical content is not injurious. The P404A is commonly used as a high limit control. A typical application of the P404B is to prevent operation of a unit heater fan until there is steam in the coil.

FINISH: Grey wrinkle

DIFFERENTIAL: Adjustable 1 to 5 lbs.

DIMENSIONS: Height $4\frac{1}{2}$ ", width $3\frac{1}{2}$ ", depth $2\frac{1}{2}$ ".

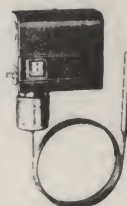


L680B CHANGEOVER CONTROL

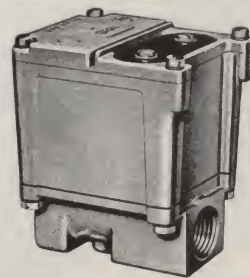
The L680B Dual Fuel Changeover Control switches a combination burner from gas to oil or from gas to LPG on an outdoor temperature drop to the set point. The changeover temperature setting is made with an external graduated dial. A dial cover, with mounting screws cross drilled for seal wires, is furnished to prevent unauthorized changes in settings. The L680B is furnished with fittings for installing the outdoor bulb.

FINISH: Grey wrinkle.

DIMENSIONS: Height (including bellows) $4\frac{3}{8}$ ", width 4".



V80 SILENT GAS VALVE



The V80 Silent Gas Valve provides low-voltage two-wire, control of all types of gas burners. An oil-filled power head operates the valve disc through a simple, rugged lever system. The mechanism is life-long lubricated, completely sealed from foreign material and oil-damped for silent operation. There are no electrical or operating parts in the gas stream.

These valves are suitable for use with all types of gas, including sulphur-bearing and LPG. They are available in $\frac{3}{8}$ " through 1" pipe sizes. Two terminals are provided on the top of all models except the V80C, which has a third terminal for the automatic recycling feature. The terminals provide convenience in wiring. A terminal cover with provisions for conduit connection is available as an accessory for all models, if required.

Valves are available with or without provisions for manual operation. The AT72 transformer furnished with the V80 provides the correct voltage to operate the valve.

MODELS: V80A—without manual opener.

V80B—with manual opener.

V80C—with automatic recycling manual opener.

V80G—with manual opener adapter for remote operating rod, for use on floor furnaces.

Minneapolis-Honeywell

V855 MOTORIZED VALVES

V855 motorized gas valves are used in low-voltage circuits controlled by low-voltage two-wire controllers. A heavy duty gear train and powerful return spring provide unusually dependable operation. These valves are suitable for use with LPG and sulphur-bearing gases. The "B" model is provided with a mercury switch for control of an auxiliary circuit. A "knee-action" feature prevents unintentional opening of the valve by depression of the external damper arm, and allows the valve to close normally even though the secondary air damper is blocked open or the damper arm is held down.

MODELS: V855A and V855B Motorized Gas Valves.
VOLTAGE AND FREQUENCY: 115 volt, 60 cycle standard.
VALVE PATTERN: Straight through, non-offset.
BODY MATERIAL: Aluminum.
PRESSURE RATING: 1/2 lb.

CAPACITIES: See capacity chart on page 19.

UNITS PER CARTON: 4.

SPECIAL FEATURES AVAILABLE:

• Special A.C. voltages and frequencies at extra cost.

WHEN ORDERING SPECIFY:

1. Model number.
2. Size.
3. Special features required.

Size	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"
Weight	10 lb.	10.5 lb.	11 lb.	11.5 lb.	12 lb.	13 lb.

V5163 THERMOSTATIC GAS VALVE

The V5163 modulating thermostatic gas valve contains a safe lighting, automatic safety valve which provides 100% shutoff of both main burner and pilot in the event of power failure. This feature makes the V5163 especially adaptable to LP gases. It is designed primarily for use on wall heaters and console-type space heaters and is suitable for use with all gases. The pilot burner and thermocouple should be ordered separately with each initial installation of the V5163.

MODELS: V5163A—Modulating thermostatic gas valve. V5163B—Modulating thermostatic gas valve with manual opener.

DIMENSIONS: Length 4 3/4", width 3 3/4", depth 3 1/2".

BY-PASS: Adjustable (minimum flame) by-pass standard. Fixed by-pass available—specify drill size.

INLET: Left hand standard. Right hand available on special order.

MAXIMUM OPERATING TEMPERATURE: 100 F.

CAPACITY: See capacity chart, page 19.

WHEN ORDERING SPECIFY:

1. Model number.
2. Size.
3. Right or left hand inlet.
4. By-pass—either adjustable or drill size if fixed.
5. Type of gas.
6. Order pilot burner (Q303 or Q305, page 25) and thermocouple (Q235, page 24) separately.

Model	Size	Weight	Units Per Carton
V5163A, B	3/4" 1"	2.9 lb.	30

V5120 GAS WATER HEATER CONTROL

The V5120 is designed to regulate the temperature of the water in automatic gas water heaters. It is A.G.A. listed for use where 100% shutoff and safe lighting are mandatory. It may be used for natural, manufactured, or liquefied petroleum gas.

The Q305 or Q303 pilot burner and Q235 thermocouple, together with the bracket for mounting the assembly should be ordered separately with each initial installation of the V5120.

SIZE: Inlet 1/2" NPT, outlet 3/8" NPT.

PILOT CONNECTION: Compression fitting for 1/4" O.D. tube.

SHANK LENGTH: 1 3/4" standard. Other shank lengths available.

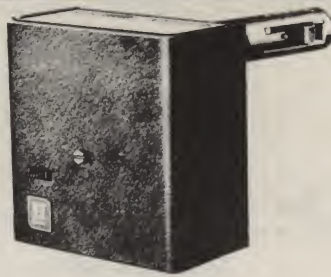
TEMPERATURE RANGE: 165 F maximum. Marked "HOT—WARM."

WHEN ORDERING SPECIFY:

1. Model number.
2. Type of gas.
3. Q305 or Q303 pilot burner.
4. Q235 thermocouple length

Model	Element Length	Btu per hour at 1" w.c. pressure drop	Weight	Units Per Carton
		Natural Gas (500 Btu or more)		
V5120C	5 1/2"	66,420	44,880	140,474
V5120D	10"	66,420	44,880	140,474

RA816A PROTECTORELAY



An ignition failure causes the safety switch to "lock out" and the burner cannot be operated until the safety switch is manually reset. If the flame goes out, the Protectorelay will attempt to restart (recycle) after a scavenger period, and will "lock out" if the flame is not established. If the power supply is interrupted, the RA816A will recycle. The RA816A relay is factory adjusted so that it will not pull in when line voltage falls below 78% of rated value for protection against under-voltage ignition failure.

R883B STOKERELAY



The Stokerelay combines, in a single compact unit, the functions of a switching relay and a synchronous timing mechanism. This relay can be used with any two-wire (Series 80 or Series 40) thermostat or operating control. The timer provides periodic burner operation to maintain the fire during mild weather and at other times when the thermostat does not ordinarily call for enough heat to keep the fire alive. The timer is easily adjustable for half-hour or hourly operation for periods which are also adjustable from one-half to seven and one-half minutes duration. An integral transformer provides low-voltage current for the control circuit. The load circuit can be isolated from the relay power circuit.

DELAYED-OPENING OIL VALVE

The V4001A Delayed-Opening Oil Valve provides smooth, clean starts; instant, clean stops; reduces the possibility of start-stop oil odors; minimizes carbon coating on nozzle and electrodes; reduces soot accumulation in the heat exchanger. It is a solenoid valve with a built-in delayed-opening feature which delays valve opening approximately 4 seconds after the burner motor is energized permitting the fan to come up to speed before oil is discharged through the nozzle. For use with No. 2 or lighter fuel oil.

FINISH: Grey.

VALVE PATTERN: Straight-through or angle with plug in one inlet.

VOLTAGE AND FREQUENCY: 115 v., 60 cy. standard. Special voltages and frequencies available: 115v., 25 or 50 cy.; 208 208 v., 50 or 60 cy.; 230 v., 60 cy. at extra cost.

WHEN ORDERING SPECIFY:

1. Model number.
2. Voltage and frequency.

PRESSURE DROP THROUGH V4001 AT VARIOUS RATES OF FLOW

Nozzle Rate GPH	5	10	15	20	25	30	35
Pressure Drop (Lbs.)	1	2	3	4	6	9	12

NOTE: In setting pump pressure, add pressure drop to desired nozzle pressure. For example, if normal pump pressure by gage is 100 lbs. on 25 gal. burner, increase to 106 lbs. when V4001 is installed.

C434 PILOTSTAT

The C434 is a manual reset, electric switch type Pilotstat which interrupts the electrical circuit to prevent opening of the automatic main gas control valve should the pilot flame go out. It incorporates a safe-lighting feature whereby the switch contacts are held open mechanically if the reset button is depressed while the pilot is being lit, and will close to complete electrical circuit only if the pilot flame condition is normal.

The Pilotstat is powered by an appropriate combination of thermocouple and pilot burner (see below).

MODEL: C434A Pilotstat—Two-wire line or low-voltage electric switch type.



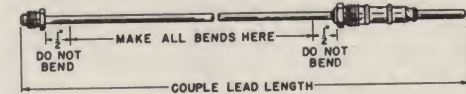
THERMOCOUPLES

Q235, Q234, and Q300 thermocouples are used with Pilotstats to provide safety shutoff of gas fired burners if the pilot burner flame goes out or becomes too weak to ignite the main burner. They are mounted with the pilot burner in such a position that the pilot flame impinges on the tip of the thermocouple. When the tip of the thermocouple is heated by the pilot flame, a millivoltage is generated by the temperature difference between the hot and cold junctions of the thermocouple. This millivoltage is used to operate the Pilotstat. Thermocouples may be used with either switch type Pilotstats or with valve type Pilotstats.

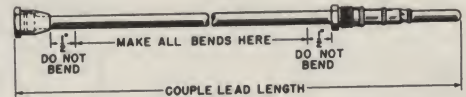
The switch type Pilotstat closes electric contacts which permit the thermostat to operate the valve when the thermocouple is generating sufficient voltage. It opens the electric circuit to the main burner gas valve when the small voltage generated by the thermocouple falls.

The valve type Pilotstat opens a valve up stream of the main gas burner valve, and in 100% shutoff applications, in the pilot burner gas supply, when the thermocouple is generating sufficient voltage. It shuts the valve when the small voltage generated by the thermocouple falls.

The Q235A is used with Q303 and Q305 pilot burners to operate C434, C444, C644, C586, C587, and C588 Pilotstats. The Q234A thermocouple is for replacement of thermocouples used with C509 Pilotstats and Series 102600 pilot burners. Q234 and Q235 thermocouples cannot be substituted for Q500 or Q504 thermocouples used with old style Series 20400 pilot burners unless adapter assembly 4074G is used. The Q300 Thermocouple is similar to the Q235A except that it does not have the installation nut for assembly to Q303 and Q305 pilot burners.



Q235A



Q234A

STANDARD LENGTHS:

Q234 and Q235—18", 24", 30", 36", 40", 48", 60", and 72".
Q300—12", 18", 21", 24", 30", 36", 40", 48", 54", 60", and 72".

MODELS: Q235A Thermocouple

Q235B Thermocouple (leads bent for close tolerance installations).

Q234A Thermocouple

Q300A Thermocouple

Model	For use with		Units Per Carton
	Pilotstat	Pilot Burner	
Q235A, B	C434, C444, C644, C586, C587, C588, C592	Q303 and Q305	1
Q234A	C509	102600 or Q233A	1
Q300A	C434, C586, C587, C588	Does not have installation nut for assembly to Q303 or Q305 pilot burners.	1

For replacement business.

For new installations.

White-Rodgers Controls

THERMOSTATS FOR HEATING

PROVIDES A NEW CONCEPT IN HOME THERMOSTATS WITH NEW SHAPE, COLOR AND FEATURES THAT APPEAL TO EVERYONE.



TYPE	RANGE °F	DIFF. °F	SWITCH ACTION	ELECT. RATING 30v AC Max.
120-115	55 to 85	Adj. ½ to 2	Open on Rise	Adj. .35 to 1.1A
125-115	55 to 85	Heating: ½ Cooling: 1½	SPDT	Heating: Adj. .35 to 1.1A Cooling: 1.5A

THERMOSTATS FOR COOLING.

FOR USE WITH LOW VOLTAGE RELAYS, MOTOR STARTERS AND REFRIGERANT SOLENOIDS TO CONTROL ROOM AIR TEMPERATURES ON COOLING APPLICATIONS.

TYPE	RANGE °F	DIFF. °F	SWITCH ACTION	ELECT. RATING 30v AC Max.
121-115	60 to 90	Adj. 1½ to 3	Close on Rise	1.5A

COOLING THERMOSTAT WITH PUSHBUTTON SUB-BASE

TYPE	RANGE °F	DIFF. °F	SWITCH ACTION	ELEC. RATING 30v AC Max.
121-115	60 to 90	Adj. 1½ to 3	Close on Rise	1.5A

SUB-BASES	DESCRIPTION
S12E	PushButtons for COOL OFF. Fan: AUTO, ON
S12F	PushButtons for COOL, HEAT, OFF. Fan: AUTO, ON
S12G	PushButtons for COOL, HEAT, OFF
S12H	PushButtons for COOL OFF



HEATING-COOLING THERMOSTAT WITH PUSHBUTTON SUB-BASE

TYPE	RANGE °F	DIFF. °F	SWITCH ACTION	ELEC. RATING 30v AC Max.
125-115	55 to 85	Heating: ½ Cooling: 1½	SPDT	Heating Adj. .35 to 1.1A Cooling 1.5A

SUB-BASES	DESCRIPTION
S12A	PushButtons for COOL, HEAT, OFF. Fan: AUTO, ON
S12B	PushButtons for COOL, HEAT Fan: AUTO, ON
S12C	PushButtons for COOL, HEAT, OFF.
S12D	PushButtons for COOL, HEAT



LIGHT DUTY LINE VOLTAGE FOR HEATING

FOR DIRECT CONTROL OF SMALL MOTORS, UNIT HEATERS, AUTOMATIC BURNERS, RELAYS, MOTOR STARTERS AND LOW WATTAGE ELECTRIC HEATERS.

TYPE	RANGE °F	DIFF. °F	SWITCH ACTION	FULL ELEC. RATING (See p. 2)	MOTOR RATING (FULL LOAD)		HEATER RATING	
					115v AC	230v AC	115v AC	230v AC
180-1	55 to 85	Adj. 1½ to 4	Open on Rise	R	3.2A	1.6A	5A	2.5A
180-2	Same as 180-1, with lock shield over temperature adjustor.							



LIGHT DUTY LINE VOLTAGE FOR COOLING

FOR DIRECT CONTROL OF SMALL MOTORS, WINDOW FANS, RELAYS, UNIT COOLERS AND COOLING UNITS HAVING LINE VOLTAGE MOTOR STARTERS.

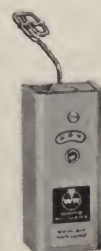
TYPE	RANGE °F	DIFF. °F	SWITCH ACTION	FULL ELEC. RATING (See p. 2)	MOTOR RATING (FULL LOAD)	
					115v AC	230v AC
181-1	60 to 90	Adj. 1½ to 4	Close on Rise	R	3.2A	1.6A

LIMIT CONTROLS

PROVIDES POSITIVE, RELIABLE HIGH LIMIT PROTECTION FOR WARM AIR FURNACES AGAINST EXCESSIVE TEMPERATURES.

TYPE	RANGE °F	DIFF. °F	ELEMENT LENGTH	SWITCH ACTION	FULL ELEC. RATING (See p. 2)	MOTOR RATING (FULL LOAD)		VALVES AND RELAYS	
						115v AC	230v AC	25v AC	.3-12v DC
484-1	100 to 250	Fixed 20	9"	Open on Rise	HTV	7.4A	5.1A	2A	2A
†484-2	100 to 350	Fixed 20	9"	Open on Rise	HTV	7.4A	5.1A	2A	2A
†416-4	100 to 350	Fixed 20	9"	SPDT	HH	7.4A	3.7A	4.4A	—

†Includes a standoff bracket for high temperature mounting.



White-Rodgers Controls

FAN CONTROL



STARTS AND STOPS FAN OPERATION ACCORDING TO DESIRED TEMPERATURE SETTINGS.

TYPE	RANGE °F	DIFF. °F	ELEMENT LENGTH	SWITCH ACTION	FULL ELEC. RATING (See p. 2)	MOTOR RATING (FULL LOAD)	
						115v AC	230v AC
569-40	70 to 150	Adj. 15 to 55	9"	Close on Rise	HT	*7.4A	5.1A

FAN CONTROL - 2 SPEED

TYPE	RANGE °F	DIFF. °F	ELEMENT LENGTH	SWITCH ACTION	FULL ELEC. RATING (See p. 2)	MOTOR RATING (FULL LOAD)	
						115v AC	230v AC
545-8	Fan 70 to 150 Selector 100 to 250	Adj. 15 to 55 Fixed 18	9"	Close on Rise SPDT	HH	7.4A	3.7A

STARTS AND STOPS AND ALSO SELECTS FAN SPEED ON TWO-SPEED FAN-MOTORS REQUIRING SPDT SWITCH FOR SPEED SELECTION.



FAN AND LIMIT DUAL CONTROLS



TYPE	RANGE °F	DIFF. °F	ELEMENT LENGTH	SWITCH ACTION	FULL ELEC. RATING (See p. 2)	MOTOR RATING (FULL LOAD)		VALVES AND RELAYS	
						115v AC	230v AC	25v AC	.3-12v DC
5A75-5	*Fan 70 to 150 Limit 100 to 250	Adj. 15 to 55 Fixed 20	9"	Close on Rise Open on Rise	HT HTV	*7.4A 7.4A	5.1A 5.1A	— 2A	— 2A
5A75-6	*Fan 70 to 150 Limit 100 to 250	Adj. 15 to 55 Fixed 20	17"	Close on Rise Open on Rise	HT HTV	*7.4A 7.4A	5.1A 5.1A	— 2A	— 2A

REGULATES FAN OR BLOWER OPERATION, AND ALSO ACTS AS A HIGH LIMIT SAFETY CONTROL.

SURFACE (STRAP-ON) TYPES

TYPE	RANGE °F	DIFF. °F	SWITCH ACTION	FULL ELEC. RATING (See p. 2)	MOTOR RATING (FULL LOAD)		VALVES AND RELAYS	
					115v AC	230v AC	25v AC	.3-12v DC
11B02-1	100 to 240	Fixed 10	Open on Rise	HTV	7.4A	5.1A	2A	2A
11B09-2	100 to 200	Fixed 10	Close on Rise	HT	7.4A	5.1A	4.4A	—
1127-2	100 to 240	Fixed 10	SPDT	HH	7.4A	3.7A	4.4A	—

ATTACH DIRECTLY TO SURFACE OF PIPE. TYPES FOR USE AS A HIGH LIMIT, REVERSE ACTING, OR SPDT SWITCHING ACTION CONTROL.



DUAL FUEL CHANGEOVER CONTROL

DESIGNED TO MEET LOCAL REQUIREMENTS FOR CHANGEOVER FROM CITY GAS TO OTHER FUELS WHEN OUTDOOR TEMPERATURE DROPS BELOW SPECIFIED POINT.



TYPE	RANGE °F	DIFF. °F	CAPILLARY LENGTH	BULB SIZE	SWITCH ACTION	FULL ELEC. RATING (See p. 2)	MOTOR RATING (FULL LOAD)		SHIPPING WEIGHT LBS.	UNITS PER CARTON
							115v AC	230v AC		
231-10	-20 to +50	Fixed 6	5 Ft.	5/8" x 3/8"	SPDT	HH	7.4A	3.7A	2 1/2	25

SERIES 26A00 DIAPHRAGM VALVES

25v 60 Cy. TYPES		VALVE SIZE	CURRENT RATING	COIL VOLTAGE	SHIPPING WEIGHT LBS.	UNITS PER CARTON
† WITH MANUAL OPERATOR	WITHOUT MANUAL OPERATOR					
26A01-203	26A02-203	3/4"	.4A	25v	5 1/4"	6 & 15
26A01-204	26A02-204	1/2" Small	.4A	25v	5 1/4"	6 & 15
26A01-205	26A02-205	1/2" Large	.4A	25v	5 1/4"	6 & 15
26A01-206	26A02-206	3/4" Small	.4A	25v	5 1/4"	6 & 15
26A01-207	26A02-207	3/4" Large	.4A	25v	5 1/4"	6 & 15
26A01-208	26A02-208	1" Small	.4A	25v	5 1/4"	4 & 10
26A01-209	26A02-209	1" Large	.4A	25v	5 1/4"	4 & 10

†Automatic recycling type.

*Includes 2 1/4 lbs. for transformer.

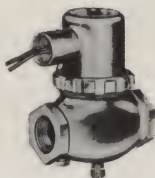


DESIGNED FOR USE ON ALL TYPES OF DOMESTIC AND INDUSTRIAL GAS HEATING SYSTEMS WHERE ADVANTAGES OF A SMALL DIMENSION DIAPHRAGM VALVE ARE DESIRED.

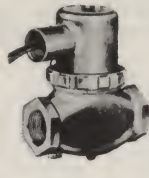
White-Rodgers Controls

"CUSHIONED POWER" SOLENOID VALVES

PROVIDE ALMOST SILENT PERFORMANCE FOR USE ON ALL TYPES OF GAS BURNERS.



2504



2509

VALVE SIZE	25v 60 Cy TYPES		115v 60 Cy TYPES		SHIPPING WEIGHT LBS.
	With Manual Operator	Without Manual Operator	With Manual Operator	Without Manual Operator	
3/8"	2504-203	2509-203	2504A-203	2509A-203	1 1/2 *
1/2" Small	2504-204	2509-204	2504A-204	2509A-204	1 1/2 *
1/2" Large	2504-205	2509-205	2504A-205	2509A-205	1 1/4 *
3/4" Small	2504-206	2509-206	2504A-206	2509A-206	1 1/4 *
3/4" Large	2504-207	2509-207	2504A-207	2509A-207	2 *
1" Small	2504-208	2509-208	2504A-208	2509A-208	2 *

INTERMITTENT IGNITION TYPES

THESE OIL BURNER PRIMARY CONTROLS ARE DESIGNED WITH ADJUSTABLE IGNITION TO CYCLE AND PROTECT SYSTEMS HAVING GUN OR ROTARY TYPE OIL BURNERS.

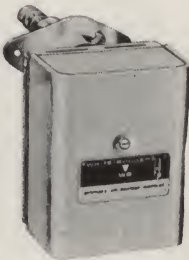
TYPE	INPUT VOLTAGE	THERMOSTAT CURRENT	MOTOR RATING (FULL LOAD)	IGNITION TRANSFORMER	SHIPPING WEIGHT LBS.	UNITS PER CARTON
610-2	115v 60 Cy	.4A	7.4A	3.0A	5	10
610G-2	230v 60 Cy	.4A	3.7A	1.5A	5	10

Mounting Plates: Specify by number when ordering above controls.
B63-0132 for curved surface. B63-0133 for flat surface.



CONSTANT IGNITION TYPES

THESE OIL BURNER PRIMARY CONTROLS ARE DESIGNED TO MAINTAIN IGNITION DURING THE ENTIRE BURNER CYCLE AND PROTECT SYSTEMS HAVING GUN OR ROTARY TYPE OIL BURNERS.



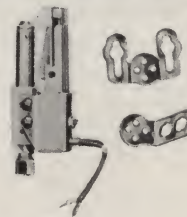
TYPE	INPUT VOLTAGE	THERMOSTAT CURRENT	BURNER MOTOR RATING (FULL LOAD)	CIRCULATOR MOTOR RATING (FULL LOAD)	IGNITION TRANSFORMER	SHIPPING WEIGHT LBS.	UNITS PER CARTON
611-1	115v 60 Cy	.4A	7.4A	—	3.0A	5	10
611G-1	230v 60 Cy	.4A	3.7A	—	1.5A	5	10
617-2	115v 60 Cy	.5A	7.4A	3.2A	3.0A	5	10

Mounting Plates: Specify by number when ordering above controls.
B63-0132 for curved surface. B63-0133 for flat surface.

DIFFERENTIAL EXPANSION AUTOMATIC PILOTS

TYPE	IGNITION FLAME DIRECTION (From thermal element—viewed from top)	SHIPPING WEIGHT LBS.	UNITS PER CARTON
3007-1	180°	3/4	24
3007-6	180° (off chamfer)	3/4	24
3007-11	90° Right	3/4	24
3007-22	90° Left	3/4	24
3007-28	90° Right and Left (2 ports)	3/4	24
3007-34	90° Right (off chamfer)	3/4	24
3007-62	90° Left (off chamfer)	3/4	24

IGNITES MAIN BURNER OF ANY GAS HEATING EQUIPMENT, AND AUTOMATICALLY SHUTS IT DOWN IF PILOT FLAME IS EXTINGUISHED OR REDUCED TO WHERE IT WILL NOT IGNITE THE MAIN BURNER PROPERLY.



TRANSFORMERS

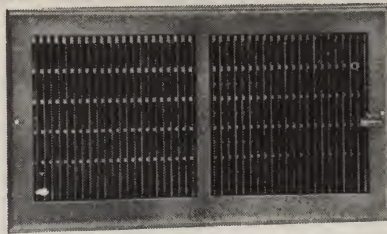
DESIGNED FOR USE WITH ALL WHITE-RODGERS GAS VALVES.



TYPE	DESCRIPTION	RATING	SHIPPING WEIGHT LBS.	UNITS PER CARTON
81-0126	115v to 25v 60 Cy	20 VA	2	24
81-0132	230v to 25v 60 Cy	20 VA	2	24
81-0125	115v to 25v 60 Cy	40 VA	2 1/4	24
81-0130	230v to 25v 60 Cy	40 VA	2 1/4	24

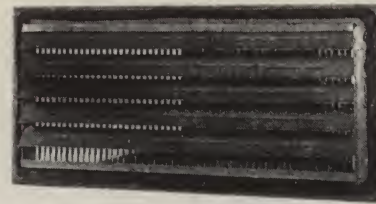
THE NEW MIDCO

VERTICAL FIN MULTIPLE LOUVER REGISTERS AND INTAKES



FRONT OF NO. 30 SIDEWALL REGISTER

FLUSH TO WALL

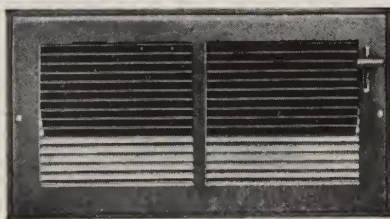


REAR OF NO. 30 SIDEWALL REGISTER

STACK-HEAD SIZE	FREE AREA	≈ 30 SIDE-WALL MULTIPLE LOUVER REGISTER	≈ 34 BASE-BOARD MULTIPLE LOUVER REGISTER	≈ 37 VERTICAL FIN FLANGE INTAKE	≈ 38 VERTICAL FIN FLUSH INTAKE	STACK-HEAD SIZE	FREE AREA	≈ 30 SIDE-WALL MULTIPLE LOUVER REGISTER	≈ 34 BASE-BOARD MULTIPLE LOUVER REGISTER	≈ 37 VERTICAL FIN FLANGE INTAKE	≈ 38 VERTICAL FIN FLUSH INTAKE
6x 4	15	3.50	3.70	1.80	1.60	16x 6	67	5.95	6.25		3.10
6x 5	20	3.50	3.70	1.80	1.60	16x 8	87	6.75	7.05		3.15
6x 6	24	3.50	3.70	1.80	1.60	16x10	108	11.40	11.70		5.50
8x 4	19	3.50	3.70	1.80	1.60	18x 4	44	5.65	5.85		2.95
8x 5	25	3.70	3.90	1.90	1.70	18x 5	57	6.40	6.70		2.95
8x 6	32	3.90	4.10	2.00	1.80	18x 6	76	6.40	6.70		2.95
8x 8	44	4.20	4.40	2.00	1.80	18x 8	99	7.40	7.70		3.50
10x 4	25	3.70	3.90	1.90	1.70	18x10	114	11.70	12.00		6.00
10x 5	32	3.90	4.10	2.00	1.80	20x 4	50	6.50	6.80		3.10
10x 6	40	4.10	4.30	2.10	1.90	20x 5	65	6.80	7.10		3.30
10x 8	52	4.40	4.60	2.20	2.00	20x 6	83	6.95	7.25		3.50
10x10	64	8.30	8.50		3.50	20x 8	108	7.90	8.20		3.80
12x 4	30	3.90	4.10	2.00	1.80	20x10	130	11.95	12.25		6.50
12x 5	40	4.30	4.50	2.20	2.00	24x 4	61	6.95	7.35	2.90	2.60
12x 6	49	4.50	4.70	2.30	2.10	24x 5	80	7.45	7.85	3.00	2.70
12x 8	64	4.80	5.10	2.50	2.20	24x 6	104	7.65	8.05	3.60	3.20
12x10	80	9.60	10.10	5.10	4.90	24x 8	132	8.05	8.45	4.10	3.70
14x 4	36	4.10	4.30	2.10	1.90	24x10	161	12.50	12.80		6.95
14x 5	47	4.50	4.70	2.30	2.10	30x 4	78	8.35	8.75	3.50	3.10
14x 6	58	4.80	5.10	2.50	2.20	30x 5	102	8.95	9.35	3.80	3.40
14x 8	75	5.20	5.50	2.70	2.40	30x 6	130	9.40	9.80	4.40	3.90
14x10	94	9.50	9.80		5.00	30x 8	171	9.60	10.40	4.90	4.40
16x 4	42	5.75	5.95		2.65	30x10	204	15.95	16.35		8.95
16x 5	54	5.95	6.15		2.90						

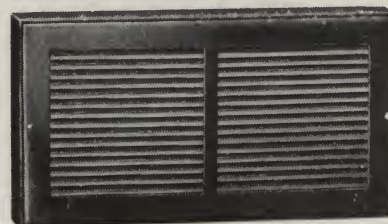
The No. 30 Vertical fin multiple louver patented gear mechanism design brings the louvers closer to the face of the register, allowing you to deflect the air exactly where you wish to have it. When you use this No. 30, you will say, "It's the finest ever made."

HORIZONTAL FIN SINGLE DAMPER REGISTERS AND INTAKES



NO. 20 SIDEWALL REGISTER

FLUSH TO WALL



NO. 27 FLANGE INTAKE

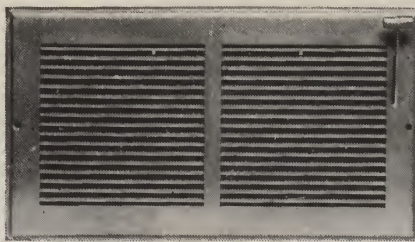
7/8"

Stack-Head Size	Free Area	≈ 20 SIDE-WALL REGISTER	≈ 24 BASE-BOARD REGISTER	≈ 27 FLANGE INTAKE	≈ 28 FLUSH INTAKE	Stack-Head Size	Free Area	≈ 20 SIDE-WALL REGISTER	≈ 24 BASE-BOARD REGISTER	≈ 27 FLANGE INTAKE	≈ 28 FLUSH INTAKE	Note: Most Sizes of No. 38 Available in No. 28
8x4	19	2.60	2.80	1.80	1.60	14x5	47	3.30	3.50	2.30	2.10	
8x5	25	2.70	2.90	1.90	1.70	14x6	58	3.50	3.80	2.50	2.20	
8x6	32	2.90	3.10	2.00	1.80	14x8	75	3.80	4.10	2.70	2.40	
10x4	25	2.70	2.90	1.90	1.70	24x4	61			2.90	2.60	
10x5	32	2.90	3.10	2.00	1.80	24x5	80			3.00	2.70	
10x6	40	3.00	3.20	2.10	1.90	24x6	104			3.60	3.20	
10x8	52	3.20	3.40	2.20	2.00	24x8	132			4.10	3.70	
12x4	30	2.90	3.10	2.00	1.80	30x4	78			3.50	3.10	
12x5	40	3.20	3.40	2.20	2.00	30x5	102			3.80	3.40	
12x6	49	3.30	3.50	2.30	2.10	30x6	130			4.40	3.90	
12x8	64	3.50	3.80	2.50	2.20	30x8	171			4.90	4.40	
14x4	36	3.00	3.20	2.10	1.90							

MIDCO vertical fin or horizontal fin registers are fully adjustable for air distribution. The fins are made of soft steel and may be adjusted for any degree of angle needed. The tool furnished should always be used for this adjustment. Ample sizes to fit all requirements. Baseboard registers furnished with solid flanges.

The forced air quantity pack is approximately as follows: No. 20 — 20 Units, No. 30 — 14 Units, No. 24 and No. 34 — 14 Units, No. 27 and No. 37 — 24 Units, No. 28 and No. 38 — 28 Units, No. 99 — 5 Units, No. 243 - 273 - 343. — 12 Units, No. 512 — 10 Units — 4", No. 512 — 15 Units — 2 1/4".

220 REVERSE FLOW HORIZONTAL FIN SINGLE DAMPER REGISTER



MIDCO

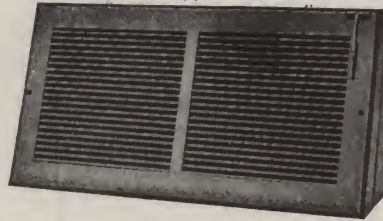
Stack Head Size	Free Area	# 220 SIDEWALL REGISTER	Stack Head Size	Free Area	# 220 SIDEWALL REGISTER
8x4	19	2.60	12x4	30	2.90
8x5	25	2.70	12x5	40	3.20
8x6	32	2.90	12x6	49	3.30
			12x8	64	3.50
10x4	25	2.70	14x4	36	3.00
10x5	32	2.90	14x5	47	3.30
10x6	40	3.00	14x6	58	3.50
10x8	52	3.20	14x8	75	3.80

NO. 220 REVERSE FLOW SIDEWALL REGISTER

THE NO. 220 REVERSE FLOW MIDCO REGISTER IS USED FOR SIDEWALL OUTLETS. THE FINS DIRECT WARM AIR DOWNWARD. THE SINGLE DAMPER OPENS TO RECEIVE WARM AIR FROM ATTIC DUCTS.

= 3 3/4" PROJECTION BASEBOARD OUT OF WALL REGISTERS =

NO. 243 3 3/4" BASEBOARD

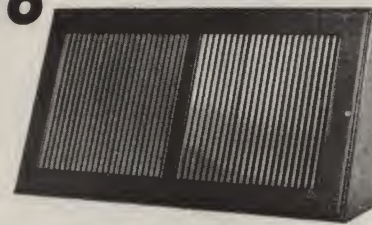


PROJECTION REGISTER

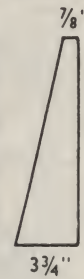


MIDCO

NO. 273 PROJECTION



FLANGE INTAKE



Stack Head Size	Free Area	≤ 243 Horizontal Fin Perimeter 3 3/4" Proj. B. B. Register	≤ 273 Horizontal Fin Perimeter 3 3/4" Proj. Flange Intake	≤ 343 Vertical Fin Perimeter 3 3/4" Proj. B. B. Register	≤ 373 Vertical Fin Perimeter 3 3/4" Proj. Flange Intake	Stack Head Size	Free Area	≤ 243 Horizontal Fin Perimeter 3 3/4" Proj. B. B. Register	≤ 273 Horizontal Fin Perimeter 3 3/4" Proj. Flange Intake	≤ 343 Vertical Fin Perimeter 3 3/4" Proj. B. B. Register	≤ 373 Vertical Fin Perimeter 3 3/4" Proj. Flange Intake
10x6	43	5.00	2.50	6.10	2.50	24x6	102		4.30	7.90	4.30
12x6	51	5.40	2.80	6.60	2.80	24x8	127		4.70	8.40	4.70
14x6	60	5.70	3.00	7.00	3.00	30x6	128		5.30	8.70	5.30
14x8	74	6.00	3.50	7.40	3.50	30x8	161		5.70	9.20	5.70

The No. 243 horizontal fin single damper 3 3/4" base projection register is fine for out of wall new house or old house installation. However, the No. 343 vertical fin multiple louver 3 3/4" base projection register, with its sensitive adjustment of louvers for regulating the vertical warm air stream sweeping the outside wall, will give you a greater advantage over your competitor. When you try them, you and your customer will like these added advantages.

MIDCO GRAVITY FLOOR REGISTERS AND FACES



NO. 51 FLOOR REGISTER



NO. 50 FLOOR FACE

Stack Head Size	≤ 50 Oak Floor Faces	≤ 51 Oak Grain Floor Registers	≤ 53 Ceiling Ventilator Black	For Size Pipe	Free Area Sq. Inches	Stack Head Size	≤ 50 Oak Floor Faces	≤ 51 Oak Grain Floor Registers	≤ 53 Ceiling Ventilator Black	For Size Pipe	Free Area Sq. Inches	Stack Head Size	≤ 50 Oak Floor Faces	≤ 51 Oak Grain Floor Registers	≤ 53 Ceiling Ventilator Black	For Size Pipe	Free Area Sq. Inches
4x10	2.00*	3.30*		5"	30	8x10	2.50	3.70		8"	61	12x24	8.40	20.40*		16"	224
4x12	2.50*	3.70*		5"	36	8x12	2.90	4.10		9"	74	12x30	9.00			18"	292
4x14	3.10	4.80		5"	41	8x14	3.70	6.30*		10"	90	14x24	9.20			18"	270
5x10	2.10*	3.40*		5"	38	8x16	4.50	8.20*		10"	106	14x30	10.30			20"	340
5x12	2.60*	3.80*		6"	45	8x24	7.20	16.60*		12-14"	151	16x24	9.90*			20"	310
5x14	3.40*	5.30*		8"	53	8x30	8.10	21.80*		14"	190	16x30	12.30*			20"	390
6x 8	2.00*	3.30*		5"	36	9x12	3.40	4.70	8.50	9"	84	18x24	10.80*			20"	350
6x10	2.20	3.40*		6"	45	10x12	3.80	5.20	9.70	10"	95	18x30	13.70*			22"	420
6x12	2.70	3.90*		7"	57	10x14	4.50	7.30		10"	108	20x24	12.10*			22"	390
6x14	3.50	5.50*		8-9"	67	10x24	7.60	18.10*		14"	192	20x30	15.00*			24"	490
6x24	6.70	13.30*		12"	111	10x30	8.40	23.50*		16"	242	24x24	15.70*			24"	470
6x30	7.60	17.30*		12"	140	12x14	5.60	9.10*	15.70	12"	133	24x30	19.70*			26"	590

*Not Stocked.

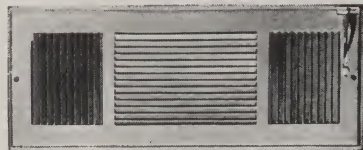
MIDCO PERIMETER FLOOR REGISTERS

STACK HEAD	FREE AREA	# 512		STACK HEAD	FREE AREA	# 512	
		METAL-ESCENT	OAK GRAIN			METAL-ESCENT	OAK GRAIN
2 1/4 x 10	18	3.70	3.90	4 x 14	42	5.30	5.60
2 1/4 x 12	21	3.90	4.20	6 x 10	44	4.10	4.30
2 1/4 x 14	23	4.80	5.10	6 x 12	54	4.40	4.70
4 x 10	30	3.90	4.10	6 x 14	61	5.60	5.90
4 x 12	36	4.20	4.50				



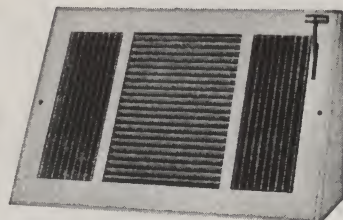
PERIMETER FLOOR REGISTER No. 512

The new No. 512 Midco perimeter floor register's louver mechanism is so designed that the vertical flow of warm air can be adjusted to be as near the wall as the installer needs it. This feature will assist you very much when a room has many windows.



NO. 80

PERIMETER ASPIRATING DIFFUSER



NO.
843

PERIMETER ASPIRATING REGISTER

STACK HEAD SIZE	FREE AREA	# 80 PERIMETER SIDEWALL DIFFUSER	# 84 PERIMETER BASEBOARD DIFFUSER	# 843 PERIMETER 3 3/4" PROJECTION BASEBOARD DIFFUSER
10 x 6	39	3.00	3.20	6.10
12 x 4	30	2.90	2.90	
12 x 6	47	3.30	3.50	6.60
14 x 6	56	3.50	3.80	7.00

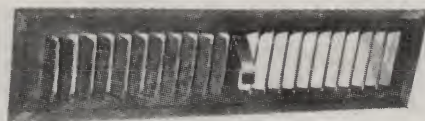
FLUSH TO WALL

FLANGE

7/8"

7/8"

3 3/4"



New, Heavy Gauge Stop placed below center strip of diffuser allows quick, positive adjustment of volume. System can be balanced at diffuser.

The MIDCO No. 666 stamped face floor diffuser is the answer to all low cost floor perimeter requirements.

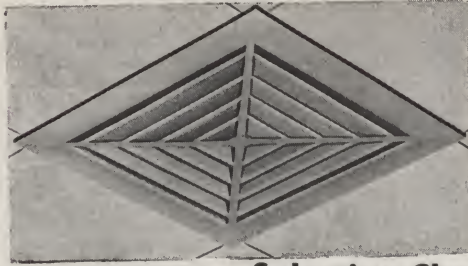
The vanes are set at the factory to give a wide, fan shaped pattern, providing the proper air distribution for heating and cooling. Each vane is individually adjustable for special applications.

The damper is constructed of heavy gauge steel, with all moving parts enclosed in the damper box. Due to MIDCO's superior construction, the damper is actually fully closed when valves are shut. No air leakage around valve to create whistling sound. Damper may be operated by foot. The new volume control stop is easiest of all to adjust.

STACK HEAD SIZE	SQ. IN. FREE AREA	LIST PRICE	NO. PER CASE	STACK HEAD SIZE	SQ. IN. FREE AREA	LIST PRICE	NO. PER CASE
2 1/4 x 10	15	\$2.15	15	4 x 10	27	\$2.65	12
2 1/4 x 12	18	2.25	15	4 x 12	33	2.80	12
2 1/4 x 14	21	2.40	15	4 x 14	39	2.95	12

MIDCO SQUARE CEILING DIFFUSERS

ADJUSTABLE 1" RECTANGULAR FINS For Heating - Cooling - Ventilating



STACK HEAD SIZE	FREE AREA SQUARE INCHES	OVERALL SIZE	STYLE 100 WITH DAMPER	STYLE 101 LESS DAMPER
6 In. Sq.	18.7	8.5" x 8.5"	\$ 6.40	\$2.30
8 In. Sq.	40.2	10.5" x 10.5"	\$ 6.90	\$2.70
10 In. Sq.	62.2	12.5" x 12.5"	\$ 8.30	\$3.30
12 In. Sq.	98.6	14.5" x 14.5"	\$10.15	\$3.90
14 In. Sq.	137.4	16.5" x 16.5"	\$11.95	\$4.70

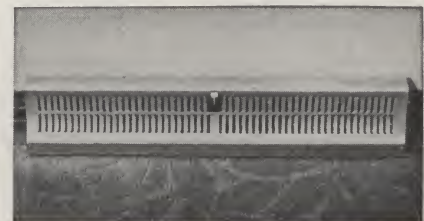
Selection Chart for No. 100 Square Ceiling Diffusers

STACK HEAD SIZE	FREE AREA Sq. In.	V-300 FPM		V-400 FPM		V-500 FPM		V-750 FPM		V-1000 FPM		V-1250 FPM		V-1500 FPM		V-1750 FPM	
		Q.	R.D.	Q.	R.D.	Q.	R.D.	Q.	R.D.	Q.	R.D.	Q.	R.D.	Q.	R.D.	Q.	R.D.
6 x 6	18.7	38	2	52	3	64	4	97	5.5	129	6	162	8	195	8.5	227	9
8 x 8	40.2	83	2.5	110	4	139	4.5	208	6.5	278	8	348	9	417	11	488	12
10 x 10	62.2	129	3	192	4	215	5	324	7	431	8.5	538	11	649	13	756	14
12 x 12	98.6	205	3.5	274	4.5	342	6	514	9	684	11	854	12.5	1028	15	1198	17
14 x 14	137.4	286	3.5	382	5	476	7	716	10	954	11.5	1189	13	1432	16	1671	18

#900 Open Top or #905 Closed Top Perimeter BB Diffusers with Dampers for Heating or Cooling.



#900 Open Top Diffuser



#905 Closed Top Diffuser

#900 Open Top Size	Free Area Sq. Inches	List Price	#905 Closed Top Size	Free Area Sq. Inches	List Price	No. Per Case
17"	30	\$5.40	17"	26	\$5.40	6
24"	43	\$6.85	24"	38	\$6.85	6
30"	54	\$7.35	30"	47	\$7.35	6
36"	65	\$7.95	36"	56	\$7.95	6

Selection Chart for #900 and #905

Heating Divider **Dh** Cooling Divider **Dc**

#900 Open Top	Free Area Sq. Inches	V.=250 S.P.=.010	V.=300 S.P.=.011	V.=350 S.P.=.012	V.=400 S.P.=.013	V.=450 S.P.=.014	V.=500 S.P.=.016	V.=600 S.P.=.024	V.=750 S.P.=.034	V.=1000 S.P.=.062	Temperature Return Air	Temperature Register Face	Temperature Difference	Heating Divider Dh	Temperature Difference	Cooling Divider Dc
		Q	Q	Q	Q	Q	Q	Q	Q	Q						
17"	30	46	56	65	75	84	93	112	140	189	70°	180°	110°	100	10°	11
24"	43	70	83	95	107	119	138	163	205	278	70°	170°	100°	93	15°	16
30"	54	84	99	114	128	143	163	198	251	326	70°	160°	90°	85	20°	21
36"	65	103	122	141	160	178	200	238	308	397	70°	150°	80°	77	25°	26
#905 Closed Top																
17"	26	41	48	57	64	73	81	97	121	163	70°	140°	70°	69		
24"	38	59	71	82	93	105	116	139	183	229	70°	130°	60°	60		
30"	47	71	85	99	114	128	140	169	210	282	70°	120°	50°	51		
36"	56	89	107	123	141	158	173	212	266	348	70°	110°	40°	41		

LIMA CEILING DIFFUSERS

series 60

Square-Step Down Ceiling Diffusers

Lima Ceiling Diffusers are excellent outlets for heating, cooling or modern combination systems and can also be used without dampers as return air inlets in perimeter systems.

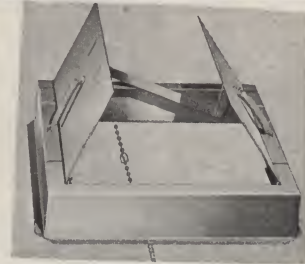
Nominal Size	6" x 6"	8" x 8"	10" x 10"	12" x 12"	16" x 16"	20" x 20"
Diffuser No.	60—6 x 6	60—8 x 8	60—10 x 10	60—12 x 12	60—16 x 16	60—20 x 20
List Price	\$5.45	\$6.65	\$7.90	\$9.20	\$21.40	\$29.10
Free Area in Sq. In.	15.4	35.1	58.1	85.1	157.8	251.1
No. Packed in Std. Carton	10	10	10	10	5	5
Overall Outside Dimensions	7 $\frac{1}{8}$ " sq.	9 $\frac{1}{8}$ " sq.	11 $\frac{1}{8}$ " sq.	13 $\frac{1}{8}$ " sq.	17 $\frac{1}{8}$ " sq.	21 $\frac{1}{8}$ " sq.
Shipping Weight	13.1 lbs.	20.3 lbs.	29.8 lbs.	39.0 lbs.	35.2 lbs.	51.9 lbs.

Standard Finish: Lima Permanent Light Beige. Available in Nickel-Plated Finish, Prices given on Request.

series 61 built-in mechanical damper

Damper and Frame Assm. No.	61—6x6	61—8x8	61—10x10	61—12x12	61—16x16	61—20x20
List Price	\$3.45	\$3.75	\$4.20	\$4.65	\$6.65	\$7.45
No. Packed in Std. Carton	10	10	10	10	5	5
Outside Inst. Dimensions	5 $\frac{1}{8}$ " sq.	7 $\frac{1}{8}$ " sq.	9 $\frac{1}{8}$ " sq.	11 $\frac{1}{8}$ " sq.	15 $\frac{1}{8}$ " sq.	19 $\frac{1}{8}$ " sq.
Shipping Weight	14.7 lbs.	21.5 lbs.	28.5 lbs.	37.7 lbs.	30.2 lbs.	43.4 lbs.

Standard Finish: Metallic



series 62 installation frames

Frame Only No.	62—6x6	62—8x8	62—10x10	62—12x12	62—16x16	62—20x20
List Price	\$1.95	\$2.10	\$2.45	\$2.90	\$3.65	\$3.95
No. Packed in Std. Carton	10	10	10	10	5	5
Outside Inst. Dimensions	5 $\frac{1}{8}$ " sq.	7 $\frac{1}{8}$ " sq.	9 $\frac{1}{8}$ " sq.	11 $\frac{1}{8}$ " sq.	15 $\frac{1}{8}$ " sq.	19 $\frac{1}{8}$ " sq.
Shipping Weight	11.0 lbs.	15.2 lbs.	17.7 lbs.	23.3 lbs.	15.3 lbs.	20.2 lbs.

Standard Finish: Metallic



Frame Fits Inside Duct . . . Easy Direct installation into Round Pipe.

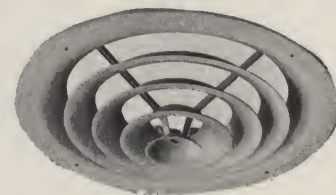
Lima Ceiling Diffusers are excellent outlets for heating, cooling or modern combination systems and can also be used without dampers as return air inlets in perimeter systems.

series 65

Round-Step Down Ceiling Diffusers

Nominal Size	6"	8"	10"	12"	14"	18"	22"
Diffuser No.	65-6	65-8	65-10	65-12	65-14	65-18	65-22
List Price	2.60	3.00	3.60	4.30	5.40	24.00	32.60
Free Area in Sq. In.	12.18	26.14	43.85	65.77	91.92	156.89	238.74
No. Packed in Std. Carton	10	10	10	10	5	5	5
Overall Outside Dimensions	7 $\frac{1}{8}$ "	9 $\frac{1}{8}$ "	11 $\frac{1}{8}$ "	13 $\frac{1}{8}$ "	15 $\frac{1}{8}$ "	19 $\frac{1}{8}$ "	23 $\frac{1}{8}$ "
Shipping Weight	10 Lbs.	15 Lbs.	23 Lbs.	30 Lbs.	38 Lbs.	30.7 Lbs.	42.4 Lbs.

Standard Finish: Lima Permanent Light Beige. Available in Nickel-Plated Finish, Prices given on Request.



series 66 built-in mechanical damper

Damper & Frame Assm. No.	66-6	66-8	66-10	66-12	66-14	66-18	66-22
List Price	4.00	4.30	5.10	6.20	7.50	10.30	13.40
No. Packed in Std. Carton	10	10	10	10	10	5	5
Outside Installation Diam.	5 $\frac{1}{32}$ "	7 $\frac{1}{32}$ "	9 $\frac{1}{32}$ "	11 $\frac{1}{32}$ "	13 $\frac{1}{32}$ "	17 $\frac{1}{32}$ "	21 $\frac{1}{32}$ "
Shipping Weight—Lbs.	10	14	22	29	37.5	28	39.5

Standard Finish: Metallic



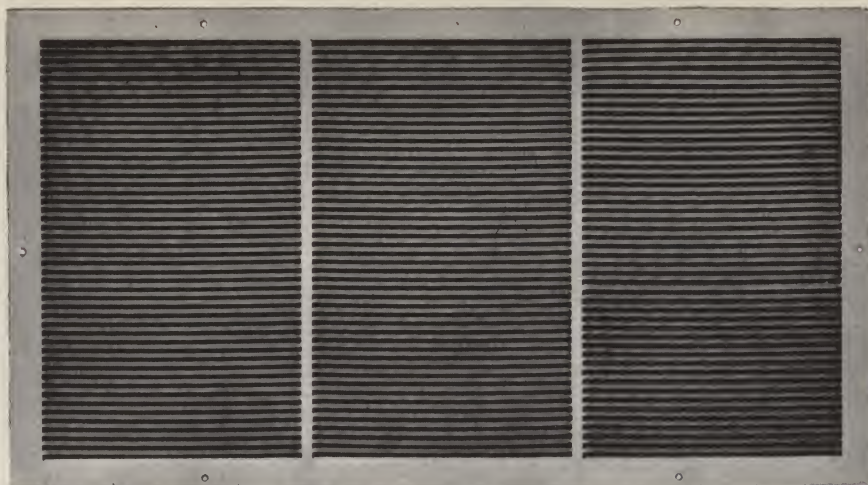
series 67 installation rings

Frame Only No.	67-6	67-8	67-10	67-12	67-14	67-18	67-22
List Price	1.10	1.40	1.70	2.00	2.30	4.00	4.80
No. Packed in Std. Carton	10	10	10	10	10	5	5
Outside Installation Diam.	5 $\frac{1}{32}$ "	7 $\frac{1}{32}$ "	9 $\frac{1}{32}$ "	11 $\frac{1}{32}$ "	13 $\frac{1}{32}$ "	17 $\frac{1}{32}$ "	21 $\frac{1}{32}$ "
Shipping Weight—Lbs.	5	8	11	15	18.5	13.5	18.75



Ring Fits Inside Duct . . . Easy Direct installation into Round Pipe.

HORIZONTAL GRILLES



Eye-Pleasing Styling,

Lima Series 15 Grilles stay new looking longer. Lima Metallic finish, compliment to any room interior, is applied evenly across the face, around the smoothly turned edges, into every corner by Lima's electrostatic painting process. Finish is then baked on for lasting beauty . . . can be repainted if another color is preferred.

"No-Peek" Design . . .

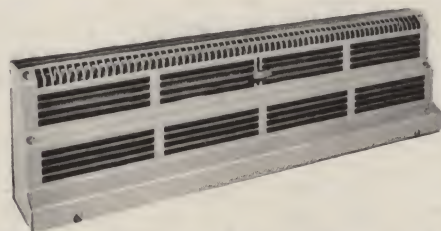
Fins in Lima Series 15 Grilles are stamped with 30° deflection to assure all-over beauty with no unsightly view through the grille face.

Note: For Overall Outside Dimensions add 1 1/8" to Width, 2 3/8" Height listed.

specifications and prices

Size W & H	List Price	No. Per Ctn.	Free Area Sq. In.	Size W & H	List Price	No. Per Ctn.	Free Area Sq. In.	Size W & H	List Price	No. Per Ctn.	Free Area Sq. In.
15 H— 6 x 4	1.60	10	15	15 H— 16 x 10	4.60	10	104	15 H— 24 x 4	2.60	10	61
15 H— 8 x 4	1.60	10	21	15 H— 16 x 12	5.10	10	125	15 H— 24 x 5	2.70	10	76
15 H— 8 x 8	3.00	10	42	15 H— 16 x 14	5.75	10	146	15 H— 24 x 8	3.70	10	122
15 H— 10 x 4	1.70	10	25	15 H— 16 x 16	6.50	10	167	15 H— 24 x 10	6.10	10	153
15 H— 10 x 5	1.80	10	31	15 H— 18 x 4	3.75	10	45	15 H— 24 x 12	6.80	10	183
15 H— 10 x 6	1.90	10	37	15 H— 18 x 5	3.90	10	58	15 H— 24 x 14	7.90	5	214
15 H— 10 x 8	2.00	10	50	15 H— 18 x 6	4.10	10	68	15 H— 24 x 16	9.00	5	245
15 H— 10 x 10	3.50	10	62	15 H— 18 x 8	4.50	10	91	15 H— 24 x 18	10.10	5	276
15 H— 12 x 4	1.80	10	30	15 H— 18 x 10	5.15	10	115	15 H— 24 x 20	11.25	5	306
15 H— 12 x 5	2.00	10	38	15 H— 18 x 12	5.50	10	138	15 H— 24 x 24	13.80	5	368
15 H— 12 x 6	2.10	10	46	15 H— 18 x 14	6.40	10	161	15 H— 30 x 4	3.10	10	76
15 H— 12 x 8	2.20	10	61	15 H— 18 x 16	7.10	10	184	15 H— 30 x 5	3.40	10	95
15 H— 12 x 10	3.90	10	76	15 H— 18 x 18	8.00	10	207	15 H— 30 x 6	3.90	10	114
15 H— 12 x 12	4.30	10	92	15 H— 20 x 4	4.00	10	49	15 H— 30 x 8	4.40	10	152
15 H— 14 x 4	1.90	10	36	15 H— 20 x 5	4.15	10	62	15 H— 30 x 10	8.00	10	191
15 H— 14 x 6	2.20	10	54	15 H— 20 x 6	4.40	10	75	15 H— 30 x 12	8.80	5	229
15 H— 14 x 8	2.40	10	72	15 H— 20 x 8	4.75	10	100	15 H— 30 x 14	10.10	5	268
15 H— 14 x 10	4.25	10	90	15 H— 20 x 10	5.40	10	125	15 H— 30 x 16	11.40	5	306
15 H— 14 x 12	4.60	10	108	15 H— 20 x 12	5.90	10	150	15 H— 30 x 18	12.20	5	345
15 H— 14 x 14	5.25	10	127	15 H— 20 x 14	6.90	10	175	15 H— 30 x 20	14.00	5	383
15 H— 16 x 4	3.50	10	41	15 H— 20 x 16	7.75	10	200	15 H— 30 x 24	17.80	5	460
15 H— 16 x 6	3.90	10	62	15 H— 20 x 18	8.75	5	226	15 H— 30 x 30	22.75	5	575
15 H— 16 x 8	4.25	10	83	15 H— 20 x 20	9.75	5	251				

Lima Metallic Finish. Available in Nickel-Plated finish, prices given on request.



LIMA 18" ECONOMY BASEBOARD DIFFUSER

This handsome 18" baseboard diffuser is designed primarily to fill the need for an economy unit — one that is also ideal for installing in kitchens, baths and other rooms where wall space is limited. It offers project builders distinctive quality at an unusually low price.

DIFFUSER NO.	OVERALL SIZE Length - Height - Base	LIST PRICE	FREE AREA	PACKAGED	WEIGHT PER CTN.
71-18	18" x 5" x 2 1/4"	4.65	30 Sq. In.	12 per ctn.	33 lbs.
• 73-18	18" x 5" x 2 3/4"	4.00	30 Sq. In.	12 per ctn.	27 lbs.

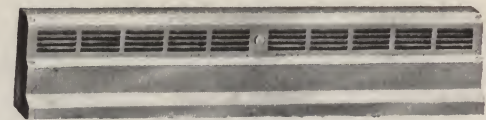
• No Damper

PERFORMANCE SPECIFICATIONS

Keeping to the left of the double line will insure quiet systems.

	1525	3045	4565	6090	7610	9515	11415	13320	15220
Heating BTU/H	1525	3045	4565	6090	7610	9515	11415	13320	15220
Cooling BTU/H	425	855	1280	1710	2135	2670	3200	3735	4270
C. F. M.	20	40	60	80	100	125	150	175	200
T. P. Loss	.001	.005	.016	.028	.046	.074	.105	.147	.200
Vertical Throw	3.2	5.	6.8	8.5	10.4	12.6	14	15	17
Spread	1.5	2	3	4.4	6	7.5	9	10	12
Face Velocity	96	192	288	384	480	600	720	840	960

LIMA BASEBOARD DIFFUSERS

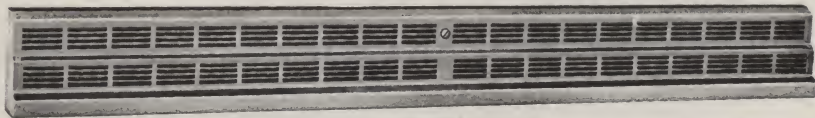


series 70 Features Automatic Pushbutton Damper Four Foot Unit

Two Foot Unit

specifications and prices

Diffuser Number	Overall Size Length-Height-Base	List Price	Free Area	Packaged	Weight per Ctn.
70 - 48	48" x 5" x 2 3/4"	7.95	26.6 Sq. In.	4 per Ctn.	42 lbs.
70 - 24	24 3/4" x 5" x 2 3/4"	5.80	13.3 Sq. In.	8 per Ctn.	43.5 lbs.
Joining Connector		.35	Beige finish — can be repainted if desired.		



Four Foot Unit

Two Foot Unit

series 72

Recommended for Combination Heating and Cooling installation! Eliminates Stratification by providing desired necessary Vertical Throw, Greater Aspirating Effect for Comfort-Cooling.

specifications and prices

Diffuser No.	Overall Size Length-Height-Base	List Price	Free Area	Packaged	Weight per Ctn.
72-48	48" x 5" x 2 3/4"	\$9.35	53.2 sq. in.	4 per Ctn.	43 lbs.
72-24	24 3/4" x 5" x 2 3/4"	6.95	26.6 sq. in.	8 per Ctn.	44 lbs.
Joining Connector		.35	Beige finish — can be repainted if desired.		



series 75



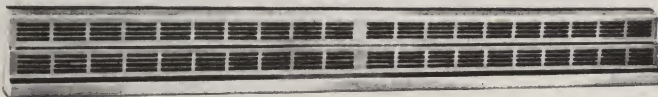
Cuts Costs When Damper is not Required

Four Foot Unit

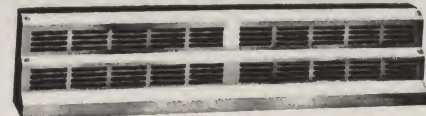
Two Foot Unit

specifications and prices

Diffuser Number	Overall Size Length-Height-Base	List Price	Free Area	Packaged	Weight per Ctn.
75 - 48	48" x 5" x 2 3/4"	6.85	26.6 Sq. In.	4 per Ctn.	35.5 lbs.
75 - 24	24 3/4" x 5" x 2 3/4"	4.85	13.3 Sq. In.	8 per Ctn.	38 lbs.



series 77



Can also be used as Low-Cost, High Capacity Diffuser

Four Foot Unit

Matching Baseboard Return Air Grille

Two Foot Unit

specifications and prices

Diffuser Number	Overall Size Length-Height-Base	List Price	Free Area	Packaged	Weight per Ctn.
77 - 48	48" x 5" x 2 3/4"	7.10	53.2 Sq. In.	4 per Ctn.	35.5 lbs.
77 - 24	24 3/4" x 5" x 2 3/4"	5.05	26.6 Sq. In.	8 per Ctn.	38 lbs.

performance data

Series 70-48 75-48 FREE AREA: 26.6 Sq. Inches 4-Ft. Sections

	3045	4565	6090	7610	9515	11415	13320	15220
¹ Heating BTU/h	3045	4565	6090	7610	9515	11415	13320	15220
² Cooling BTU/h	855	1280	1710	2135	2670	3200	3735	4270
*CFM	40	60	80	100	125	150	175	200
**T.P. Loss	.012	.020	.028	.045	.065	.101	.121	.150
Vertical Throw	3.5'	4.5'	5.5'	7'	9'	11'	13'	15'
Spread	8'	9.5'	11'	12'	13.5'	15'	16.5'	18'
†Face Velocity	215	325	430	540	675	810	945	1080

Series 70-24 75-24 FREE AREA: 13.3 Sq. Inches 2-Ft. Sections

	3045	4565	6090	7610
¹ Heating BTU/h	3045	4565	6090	7610
² Cooling BTU/h	855	1280	1710	2135
*CFM	40	60	80	100
**T.P. Loss	.022	.042	.066	.100
Vertical Throw	5'	8'	11'	14'
Spread	3'	4'	5'	6'
†Face Velocity	430	650	860	1080

Series 72-48 77-48 FREE AREA: 53.2 Sq. Inches 4-Ft. Sections

	3045	4565	6090	7610	9515	11415	13320	15220
¹ Heating BTU/h	3045	4565	6090	7610	9515	11415	13320	15220
² Cooling BTU/h	855	1280	1710	2135	2670	3200	3735	4270
*CFM	40	60	80	100	125	150	175	200
**T.P. Loss	.006	.013	.022	.032	.052	.073	.098	.125
Vertical Throw	5.0'	6.0'	7.0'	8.0'	9.0'	9.5'	10.5'	11.0'
Spread	10.5'	12.5'	13.5'	15.0'	16.5'	17.5'	18.5'	19.5'
†Face Velocity	100	155	210	265	318	408	480	555

Series 72-24 77-24 FREE AREA: 26.6 Sq. Inches 2-Ft. Sections

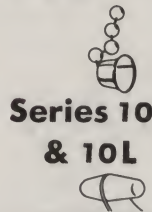
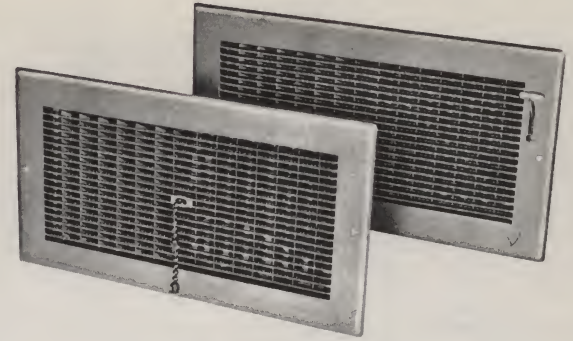
	1525	3045	4565	6090	7610	9515	11415	13320	15220
¹ Heating BTU/h	1525	3045	4565	6090	7610	9515	11415	13320	15220
² Cooling BTU/h	425	855	1280	1710	2135	2670	3200	3735	4270
*CFM	20	40	60	80	100	125	150	175	200
**T.P. Loss	.002	.007	.016	.029	.046	.071	.103	.142	.185
Vertical Throw	5.5'	7.0'	8.0'	8.5'	9.5'	10.0'	11.0'	12.0'	13.0'
Spread	4.0'	5.5'	6.5'	7.5'	8.0'	9.0'	9.5'	10.5'	11.0'
†Face Velocity	118	221	320	416	509	622	734	841	950

LIMA REGISTERS, DIFFUSERS AND GRILLES

series 10 and 10L wall registers

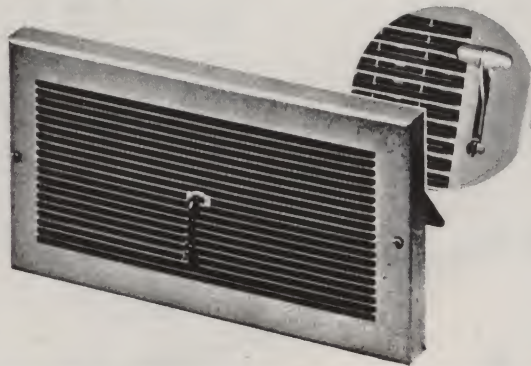
Lima one-piece rigidity . . . simplified damper and air volume adjustment . . . and lasting beauty. Face louvers of Lima Series 10 Wall Registers are factory set for horizontal discharge of air.

Vertical blades are resistance-welded to the backs of louvers to increase strength and rigidity — are factory set for diffusion in 60° angle horizontal plane for wide-spread air distribution. Vertical blades can be easily adjusted to air pattern desired. Positive seal gasket provides all-around protection against air leakage and wall streaking. Installed high on the wall, Lima Series 10 Registers are excellent for modern combination heating and cooling systems. They provide superior performance in heating systems, in both high and low side-wall applications, and are recommended for use in plenums to heat basements and crawl-spaces.



Nominal Size	8" x 6"		10" x 6"		12" x 6"		14" x 6"	
Register Number	10-86	10L-86	10-106	10L-106	10-126	10L-126	10-146	10L-146
List Price — Metallic Finish	\$2.90		\$3.00		\$3.30		\$3.50	
Outside Dimensions	9½" x 7½"		11½" x 7½"		13½" x 7½"		15½" x 7½"	
Number packed in standard carton and shipping weight	10 - 19.4 lbs.		10 - 23.5 lbs.		10 - 27.3 lbs.		10 - 31.3 lbs.	

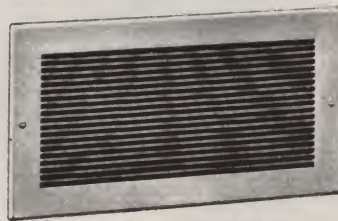
Standard Finish — Lima Metallic. Available in Nickel-Plated Finish, prices given on request.



series 10B1 and 10B1L

Nominal Size	10" x 6"	12" x 6"	14" x 6"
Register Number	10B1-106 10B1L-106	10B1-126 10B1L-126	10B1-146 10B1L-146
List Price Complete	\$3.20	\$3.40	\$3.80
Free Area—Sq. In.	43.3"	52.7"	62.1"
Outside Dimensions	11¼" x 7¼"	13¼" x 7¼"	15¼" x 7¼"
Extension from Wall	7/8"	7/8"	7/8"
No. Packed in Std. Ctn.	10	10	10
Shipping Weight	25 lbs.	28.7 lbs.	31.8 lbs.

Standard Finish—Lima Metallic. Available in Nickel-Plated Finish, prices given on request.



series 10FG
sidewall grilles

Matches Lima Series 10 Wall Registers with same simplicity of styling and permanent Lima metallic finish. Designed without valve for flat sidewall installations. Horizontal louvers are deflected downward 23° — no unsightly view through grille. Can be inverted for high side-

wall application. Vertical blades, spaced 2 to 3 inches apart, are resistance-welded to backs of louvers to add strength and rigidity. Lima Series 10FG Sidewall Grilles handle high velocity air quietly without annoying vibrations and whistling.

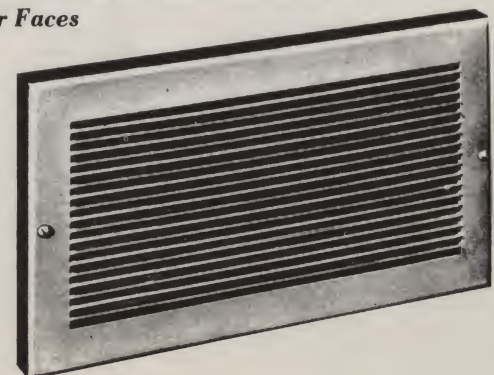
Nominal Size	8" x 6"	10" x 6"	12" x 6"	14" x 6"	24" x 6"	30" x 6"
Grille Number	10FG-86	10FG-106	10FG-126	10FG-146	10FG-246	10FG-306
List Price	\$1.80	\$1.90	\$2.10	\$2.20	\$3.20	\$3.90
Free Area—Sq. In.	28.5"	36.4"	44.4"	52.4"	89.6"	110.8"
Outside Dimensions	9½" x 7½"	11½" x 7½"	13½" x 7½"	15½" x 7½"	25¼" x 7¼"	31¼" x 7¼"
Number Packed in Standard Carton and shipping weight	10 - 10 lbs.	10 - 12 lbs.	10 - 13.9 lbs.	10 - 15.8 lbs.	10 - 30 lbs.	10 - 37.5 lbs.

Standard Finish — Lima Metallic. Available in Nickel-Plated Finish, Prices given on Request.

series 20 Baseboard Return Air Faces

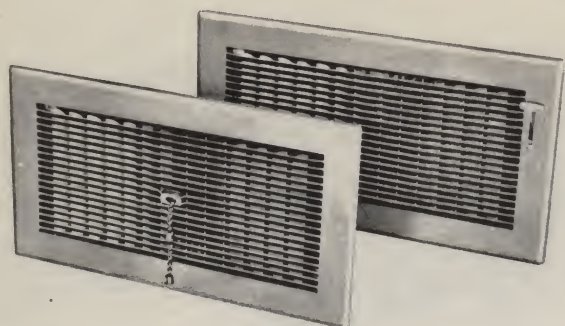
Nominal Size	10" x 6"	12" x 6"	14" x 6"	24" x 6"	30" x 6"
Face Number	20-106	20-126	20-146	20-246	20-306
List Price	\$2.10	\$2.30	\$2.50	\$3.60	\$4.40
Outside Dimensions	11¼" x 7¼"	13¼" x 7¼"	15¼" x 7¼"	25¼" x 7¼"	31¼" x 7¼"
Extension from Wall	7/8"	7/8"	7/8"	7/8"	7/8"
Free Area - Sq. In.	36.4"	44.4"	52.4"	89.6"	110.8"
No. Packed in Std. Ctn.	10	10	10	10	10
Shipping Weight	15.3 lbs.	17.4 lbs.	18.9 lbs.	30.8 lbs.	37.3 lbs.

Standard Finish — Lima Metallic. Available in Nickel-Plated Finish, prices given on request.



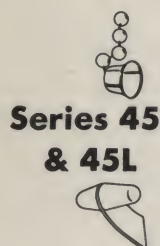
LIMA REGISTERS,

series 45 and 45L sidewall diffusers



Lima Sidewall Diffusers are Available with Lever-Operated (Series 45L) as well as Chain-Operated (Series 45) Dampers.

Featuring extra vertical throw power and greater aspirating effect, Lima Series 45 Sidewall Diffusers are highly recommended for modern combination heating and cooling installations. They diffuse air vertically 15° from the wall and at the same time fan the air horizontally over an arc of 130°. Air is distributed continuously throughout the room without the occupants feeling air motion . . . and the greater aspirating effect prevents stratification . . . Lima Series 45 diffusers are especially suitable to replace registers when cooling is added to the existing system. They will provide the upward throw so necessary for comfort-cooling.



Nominal Size	Diffuser Number		List Price	Overall Outside Dimensions	Number Packed in Standard Carton	Shipping Weight per Standard Carton
10" x 6"	45-106	45L-106	\$3.00	11½"x7½"	10	24.4 lbs.
12" x 6"	45-126	45L-126	3.30	13½"x7½"	10	28.5 lbs.
14" x 6"	45-146	45L-146	3.50	15½"x7½"	10	31.5 lbs.

Standard Finish—Lima Metallic. Available in Nickel-Plated Finish, prices given on request.

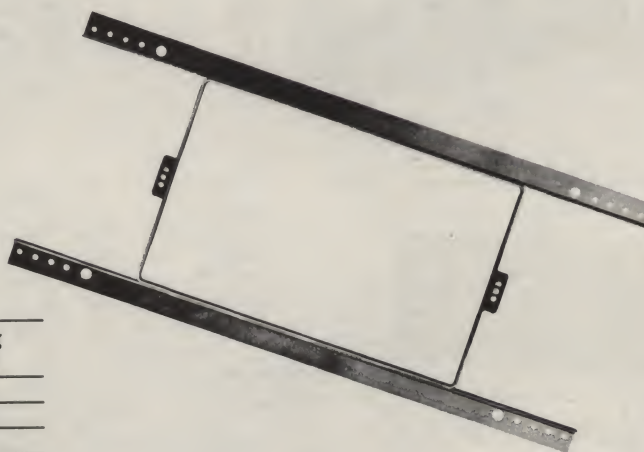
REGISTER FRAMES

series FA frames

new one-piece construction . . .

Completely assembled plastering-in frame saves register installation time and trouble, holds stackhead and register firmly in place anywhere between studs.

Nominal Size	Frame Number	List Price	Number Packed In Carton	Shipping Weight
8x6	FA-86	\$1.30	10	11.5
10x6	FA-106	1.30	10	12.3
12x6	FA-126	1.40	10	12.7
14x6	FA-146	1.60	10	13.1



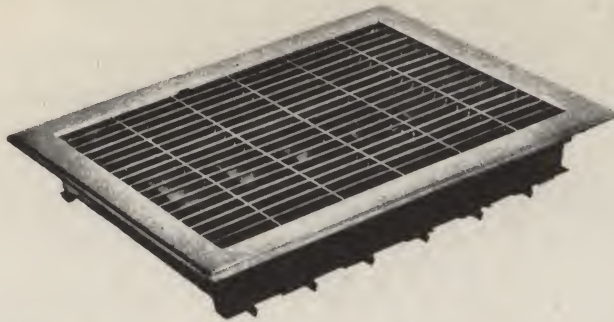
Series BF

1. BF Frame is fastened to wall firmly through dimpled holes in all four corners.
2. Stackhead is flanged over face of BF frame.
3. Register is then attached with metal screws through holes provided in the sides of the frame.

Nominal Size	8" x 6"	10" x 6"	12" x 6"	14" x 6"
Frame Number	BF-86	BF-106	BF-126	BF-146
List Price	\$1.30	\$1.30	\$1.40	\$1.60
Number packed in standard carton and shipping weight	10 - 6 lbs.	10 - 7 lbs.	10 - 7.9 lbs.	10 - 8.7 lbs.

Standard Finish—Lima Metallic.

THE MODERN, EFFICIENT LIMA



series 30 Floor Registers

Cross girder construction is reinforced at every joint with resistance welding. Lima "Duragold" or oak grain finish is electrostatically applied into every crevice, in and around every corner.

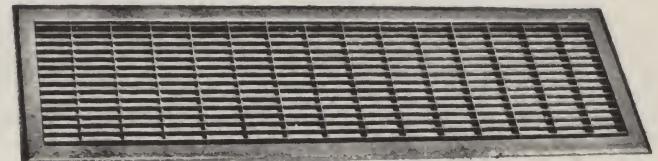
Nominal Size	Register Number	*List Price	Outside Dimensions in Inches	Free Area in Sq. Inch.	No. in Std. Carton	Shipping Weight
6" x 10"	30-610	\$3.40	11 $\frac{7}{8}$ x 7 $\frac{7}{8}$	47	10	38.3 lbs.
6" x 12"	30-612	3.90	13 $\frac{7}{8}$ x 7 $\frac{7}{8}$	56	10	44.3 lbs.
6" x 14"	30-614	5.50	15 $\frac{7}{8}$ x 7 $\frac{7}{8}$	66	10	50.5 lbs.
8" x 10"	30-810	3.70	11 $\frac{7}{8}$ x 9 $\frac{7}{8}$	63	10	45.8 lbs.
8" x 12"	30-812	4.10	13 $\frac{7}{8}$ x 9 $\frac{7}{8}$	75	10	53 lbs.

Nominal Size	Register Number	*List Price	Outside Dimensions in Inches	Free Area in Sq. Inch.	No. in Std. Carton	Shipping Weight
8" x 14"	30-814	\$6.30	15 $\frac{7}{8}$ x 9 $\frac{7}{8}$	89	10	61 lbs.
9" x 12"	30-912	4.70	13 $\frac{7}{8}$ x 10 $\frac{7}{8}$	86	10	58.8 lbs.
10" x 12"	30-1012	5.20	13 $\frac{7}{8}$ x 11 $\frac{7}{8}$	96	10	63.5 lbs.
12" x 14"	30-1214	9.10	15 $\frac{7}{8}$ x 13 $\frac{7}{8}$	135	5	42.5 lbs.

*Standard Finish—Lima "Duragold". Oak Grain finish supplied on special request at same price. Please specify the finish desired. Available in Nickel-Plated Finish, prices given on request.

series 35 Floor Returns

Partner to Lima Floor Registers and Diffusers in strength and beauty . . . excellent single air return for modern perimeter systems:

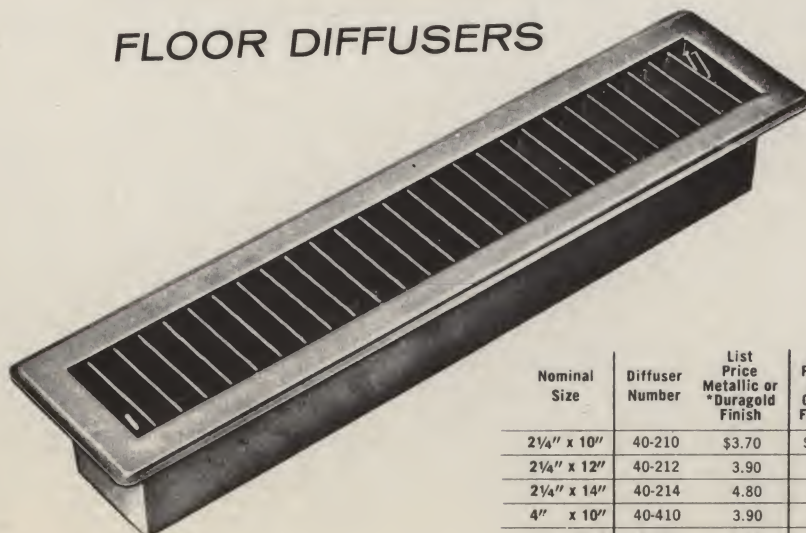


Nominal Size	Face Number	*List Price	Outside Dimensions in Inches	Free Area in Sq. Inch.	No. in Std. Carton	Shipping Weight
6" x 10"	35-610	\$2.20	11 $\frac{7}{8}$ x 7 $\frac{7}{8}$	47	10	21.3 lbs.
6" x 12"	35-612	2.70	13 $\frac{7}{8}$ x 7 $\frac{7}{8}$	56	10	25 lbs.
6" x 14"	35-614	3.50	15 $\frac{7}{8}$ x 7 $\frac{7}{8}$	66	10	28.1 lbs.
6" x 24"	35-624	6.70	25 $\frac{7}{8}$ x 7 $\frac{7}{8}$	113	10	45.7 lbs.
6" x 30"	35-630	7.60	31 $\frac{7}{8}$ x 7 $\frac{7}{8}$	142	10	56.5 lbs.
8" x 10"	35-810	2.50	11 $\frac{7}{8}$ x 9 $\frac{7}{8}$	63	10	26.6 lbs.
8" x 12"	35-812	2.90	13 $\frac{7}{8}$ x 9 $\frac{7}{8}$	75	10	31 lbs.
8" x 14"	35-814	3.70	15 $\frac{7}{8}$ x 9 $\frac{7}{8}$	89	10	35.3 lbs.
8" x 24"	35-824	7.20	25 $\frac{7}{8}$ x 9 $\frac{7}{8}$	151	5	28.3 lbs.

Nominal Size	Face Number	*List Price	Outside Dimensions in Inches	Free Area in Sq. Inch.	No. in Std. Carton	Shipping Weight
8" x 30"	35-830	\$8.10	31 $\frac{7}{8}$ x 9 $\frac{7}{8}$	192	5	35.8 lbs.
9" x 12"	35-912	3.40	13 $\frac{7}{8}$ x 10 $\frac{7}{8}$	86	10	34 lbs.
10" x 12"	35-1012	3.80	13 $\frac{7}{8}$ x 11 $\frac{7}{8}$	96	10	36.9 lbs.
10" x 24"	35-1024	7.60	25 $\frac{7}{8}$ x 11 $\frac{7}{8}$	192	5	34 lbs.
10" x 30"	35-1030	8.40	31 $\frac{7}{8}$ x 11 $\frac{7}{8}$	243	5	41.5 lbs.
12" x 14"	35-1214	5.60	15 $\frac{7}{8}$ x 13 $\frac{7}{8}$	135	10	48.2 lbs.
12" x 24"	35-1224	8.48	25 $\frac{7}{8}$ x 13 $\frac{7}{8}$	233	5	39.5 lbs.
12" x 30"	35-1230	9.00	31 $\frac{7}{8}$ x 13 $\frac{7}{8}$	293	5	47.5 lbs.
14" x 30"	35-1430	10.30	31 $\frac{7}{8}$ x 15 $\frac{7}{8}$	343	5	54.8 lbs.

Standard Finish—Lima "Duragold". Oak-Grain finish supplied on special request at same price. Please specify the finish desired. Available in Nickel-Plated Finish, prices given on request.

FLOOR DIFFUSERS



series 40

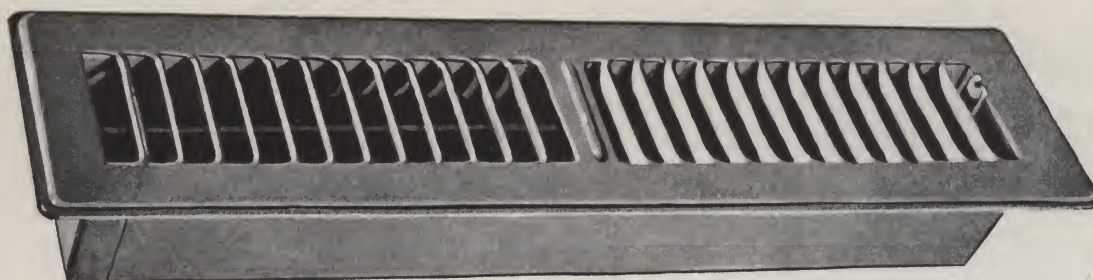
EXTRA STRENGTH . . . extra beauty . . .
extra assurance of constant comfort! You can't install a better floor diffuser at any price! Lima engineers developed the original floor diffuser that helped popularize perimeter heating. Now Lima's modern machinery and Lima "Know-how" make Series 40 Floor Diffusers the finest for proper air distribution in both heating and cooling.

Nominal Size	Diffuser Number	List Price Metallic or "Duragold" Finish	List Price Oak Grain Finish	Overall Outside Dimensions	Flange Depth Dampers Closed	Border Width	Size Register Box Required	No. Packed in Standard Carton	Shipping Weight Per Standard Carton
2 $\frac{1}{4}$ " x 10"	40-210	\$3.70	\$3.90	3 $\frac{3}{4}$ " x 11 $\frac{3}{4}$ "	2"	3/4"	2 $\frac{1}{4}$ " x 10"	10	20 lbs
2 $\frac{1}{4}$ " x 12"	40-212	3.90	4.20	3 $\frac{3}{4}$ " x 13 $\frac{3}{4}$ "	2"	3/4"	2 $\frac{1}{4}$ " x 12"	10	24.4 lbs
2 $\frac{1}{4}$ " x 14"	40-214	4.80	5.10	3 $\frac{3}{4}$ " x 15 $\frac{3}{4}$ "	2"	3/4"	2 $\frac{1}{4}$ " x 14"	10	28 lbs
4" x 10"	40-410	3.90	4.10	5 $\frac{3}{4}$ " x 11 $\frac{3}{4}$ "	2"	3/4"	4" x 10"	10	29.9 lbs
4" x 12"	40-412	4.20	4.50	5 $\frac{3}{4}$ " x 13 $\frac{3}{4}$ "	2"	3/4"	4" x 12"	10	35 lbs
4" x 14"	40-414	5.30	5.60	5 $\frac{3}{4}$ " x 15 $\frac{3}{4}$ "	2"	3/4"	4" x 14"	10	39 lbs

Standard Finish—Lima Metallic. "Duragold" supplied only on special request at same price. Specify finish desired. Available in Nickel-Plated Finish, prices given on request.

New LIMA "Thrifty Project" LINE

A low cost line of floor diffusers for the projects where price is all important. Lima's engineering skill has devised new production methods to produce dependable Lima Quality in an economy line.



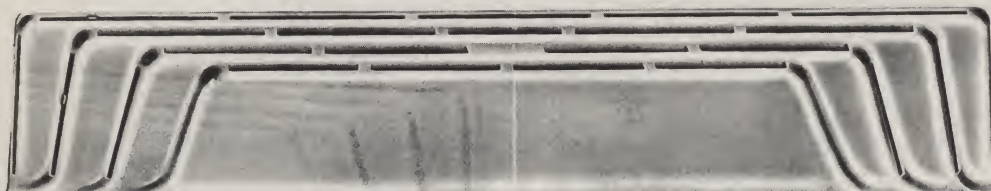
SERIES 41

Still Lima Quality but with stamped face construction to permit a budget price.

SIZE	PRICE	FREE AREA	NO. PER CTN.	WT. PER CTN.
2 1/4 x 10	\$2.15	14.3	20	32 lbs.
2 1/4 x 12	2.25	17.3	20	37 lbs.
2 1/4 x 14	2.40	20.0	20	43 lbs.
4 x 10	2.65	26.8	20	51 lbs.
4 x 12	2.80	32.0	20	58 lbs.
4 x 14	2.95	37.2	20	64 lbs.

Stock Finish—Metallic

TITUS PERIMETER DIFFUSERS



**THE RIGHT AIR PATTERN
FOR SUMMER COOLING**

**THE RIGHT AIR PATTERN
FOR WINTER HEATING**

AVAILABLE IN TWO MODELS . . . FIT ANY BASEBOARD APPLICATION

MODEL P-125

MODEL P-75

A fully adjustable baseboard diffuser designed to provide optimum distribution in a year around system with a low-level, wide-spreading pattern during heating and a high vertical pattern during cooling. Because of the wide spread near the floor during heating this diffuser need not be placed directly under a window. When located beside a window the cold, natural air currents from the window are counteracted and there are no obstructions to the essential vertical throw during cooling. This model also recommended for the best in a "heating only" system.

Has heating and cooling adjustment feature; built-in damper; Neutra-Tone finish.

The same basic design as Model P-125. Provides a compromise air pattern for the year around system. Has the high vertical throw for cooling and considerable wall spread for heating. Especially adaptable to year around systems with medium heating requirements. The best heating is obtained when these diffusers are located directly under the windows. Has built-in damper. Furnished in Neutra-Tone finish.

RETURN LOCATION . . . With these diffusers the location of return intakes is not important during heating. However, during cooling high wall or ceiling return location is preferred so warmest air will be returned to conditioner. The high wall or ceiling location is then preferred for the year around system.

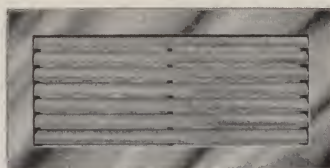
SPECIFICATIONS AND PRICES

*Bottom can be cut on both ends to receive 2 1/4" x 14" boot.

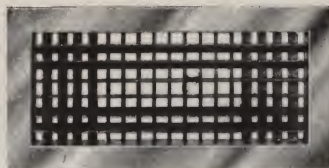
Model No.	Boot Opening	Width	Height	Depth	Free Area	Approx. Ship. Wt.	List Price
P-125	2 1/4" x 12"*	24"	4 1/2"	2 5/8"	32"	2 1/2 lbs.	\$7.50
P-75	2 1/4" x 12"*	24"	4 1/2"	2 5/8"	32"	2 lbs.	\$5.50

NOTE: Diffusers packed 12 to a carton . . . with each diffuser individually packaged in strong, damage-proof cardboard sleeve.

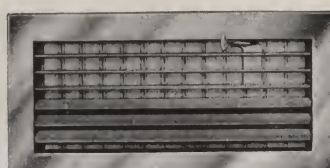
Titus Air Registers



RL-230—Return Air Grille
Sidewall. To match all Titus Airfoil supplies.



L-270—Supply Grille
Sidewall. 4-way control. Up, down, right or left.



L-274 Supply Register
Sidewall. 2-way directional control. Up or down plus shutoff.
S-274
Sidewall. 2-way directional control. Right or left plus shutoff.



L-276
Sidewall. 4-way directional control. Up, down, right or left plus shutoff.

S-277
Same as above except front set parallel short dim. and second set — long dim.

LIST PRICE

8 X 4	\$3.80
8 X 6	4.20
10 X 5	4.40
10 X 6	4.55
10 X 8	4.90
10 X 10	5.30
12 X 4	7.00
12 X 5	4.75
12 X 6	4.95
12 X 8	5.50
12 X 10	5.90
12 X 12	6.50
14 X 8	5.90
14 X 10	6.50
14 X 12	7.00
16 X 6	5.90
16 X 8	6.50
16 X 10	7.00
18 X 6	6.30
18 X 8	6.80
18 X 10	7.80
18 X 12	8.40
20 X 6	6.65
20 X 8	7.20
20 X 10	8.20
20 X 20	14.80
24 X 12	10.25
24 X 18	15.40
24 X 24	20.90
30 X 12	13.30
30 X 18	19.40
30 X 24	27.00
36 X 12	16.55
36 X 16	21.10
36 X 18	23.40
36 X 24	33.25
48 X 24	46.95
48 X 36	74.25

---LIST PRICE

8 X 4	\$6.20
8 X 6	6.80
10 X 4	6.80
10 X 5	7.10
10 X 6	7.45
10 X 8	8.10
12 X 4	7.45
12 X 5	7.75
12 X 6	8.05
12 X 8	9.00
14 X 4	8.05
14 X 5	8.70
14 X 6	9.00
14 X 8	9.60
14 X 10	10.50
14 X 12	11.50
16 X 5	9.30
16 X 6	9.60
16 X 8	10.50
20 X 5	10.25
20 X 6	10.85
20 X 8	11.80
20 X 10	13.30
24 X 5	12.10
24 X 6	12.70
24 X 8	13.95
24 X 10	15.20
24 X 12	16.75
30 X 6	16.10
30 X 8	18.00
30 X 10	19.85
30 X 12	21.70
36 X 6	19.50
36 X 8	22.00
36 X 10	24.50
36 X 12	26.95

---LIST PRICE

8 X 4	\$5.60
10 X 4	6.10
10 X 5	6.40
10 X 6	6.70
10 X 8	7.30
12 X 4	6.70
12 X 5	7.00
12 X 6	7.25
12 X 8	8.10
14 X 4	7.25
14 X 5	7.85
14 X 6	8.10
14 X 8	8.65
14 X 10	9.45
16 X 5	8.35
16 X 6	8.65
16 X 8	9.45
16 X 10	10.35
18 X 6	9.20
20 X 5	9.25
20 X 6	9.75
20 X 8	10.60
20 X 10	11.95
24 X 5	10.90
24 X 6	11.45
24 X 8	12.55
24 X 10	13.70
30 X 6	14.50
30 X 8	16.20
30 X 10	17.85
36 X 6	17.55
36 X 8	19.80
36 X 10	22.05

---LIST PRICE

8 X 4	\$8.60
8 X 6	9.50
10 X 4	9.45
10 X 5	9.90
10 X 6	10.30
10 X 8	11.20
12 X 4	10.30
12 X 5	10.75
12 X 6	11.20
12 X 8	12.50
14 X 5	12.05
14 X 6	12.45
14 X 8	13.30
14 X 10	14.60
14 X 12	15.90
16 X 5	12.90
16 X 6	13.35
16 X 8	14.60
18 X 4	12.90
20 X 6	15.05
20 X 8	16.35
24 X 6	17.65
30 X 6	22.35
30 X 8	24.95
36 X 8	30.55


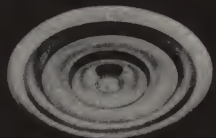
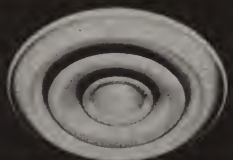

NOTE THESE ADDITIONAL SPECIFICATIONS:

- These added features are standard on each SUPPLY GRILLE.
 - 1/4" sponge rubber gasket.
 - Countersunk screwholes.
 - Attractive softone gray lacquer finish.
 - Special mullion support where louvers exceed 20" in length.
- VOLUME CONTROLLERS have standard black lacquer finish.
- RETURN AIR GRILLES are made extra heavy to withstand low sidewall abuse. Finished with standard gray softone lacquer.
- RETURN REGISTERS are made with extra heavy steel to withstand low sidewall use and abuse. Provide volume control or complete shutoff. Have gray softone prime finish.

WRITE FOR

FREE CATALOG

TITUS CEILING DIFFUSERS

STYLE	SIZES	APPLICATION	DESCRIPTION
Model TM 	6" 16" 8" 18" 10" 20" 12" 24" 14" 30" 36"	For exposed ductwork or flush mounting	A fixed cone ceiling outlet with exclusive Titus curved contour cone construction. 4 cones. Ingenious spring lock arrangement permits quick, easy removal or installation of inner cone assembly. Inner cone assembly adjustable at factory or on job to 3 different air patterns — vertical, horizontal, or intermediate.
Model TMA 	6" 16" 8" 18" 10" 20" 12" 24" 14" 30" 36"	For exposed ductwork or flush mounting	A fully adjustable outlet with Titus curved contour cone construction. Simply turn small center cone to adjust to any air pattern desired for any heating or cooling application. 3 center cones move in unison, retaining same relative position for maximum uniformity of design, minimum pressure loss. Inner cone assembly quickly, easily removed.
Model T-1 	6" 14" 8" 16" 10" 18" 12" 20" 24"	For exposed ductwork or flush mounting	A 3-cone supply outlet that combines economy with excellent diffusion performance. Inner cone assembly removes for fast, easy installation. Adjustable — on the job — to 2 air patterns by simply changing screws on inner cone assembly. Heavy-duty sponge gasket around outer edge of diffuser assures air-tight installations.
Model TMS 	4" 10" 5" 12" 6" 14" 8" 16" 18"	For exposed ductwork or flush mounting.	A square diffuser designed to deliver supply air for heating, ventilating, cooling in a 360° pattern. Blank-off baffles available to supply a wide variety of other air distribution patterns. Ingenious spring lock arrangement permits quick, easy removal and installation of inner assembly.

FOR USE WITH DIFFUSER MODEL

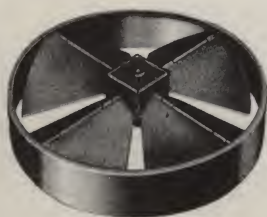
DESCRIPTION

MODEL AG-65 COMBINATION DAMPER AND GRID



TM TMS
TMA T-I
TL

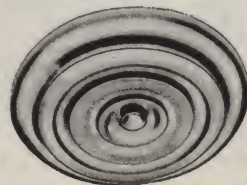
A combination equalizing grid and damper that is quickly, easily installed in take-off. Blade opens up directly into air stream permitting precision air volume control. Installs flush with duct take-off.



MODEL AG-75 RADIAL DEFLECTOR DAMPER

TM TMS
TMA T-I
TL

Four sets of gang-operated blades distribute air evenly over diffuser or duct — completely eliminating need for equalizing grids. Unique design permits the precision metering of air flow to any degree desired from full open to complete shut-off. Heavy gauge, vibration-free metal blades hold desired settings in spite of air pressure variations. Quickly, easily adjustable from face of diffuser.



MODEL CC CEILING CONE (Pictured with Model TMA Diffuser)

TM TR
TMA TL

An attractively styled, scientifically designed accessory that not only affords maximum protection to ceiling — but actually enhances appearance of diffuser unit used with it. Adapts Titus diffusers to flush mounting on exposed ductwork — or flush with ceiling.

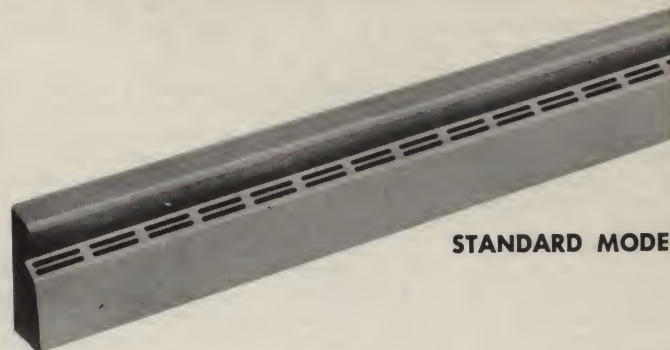
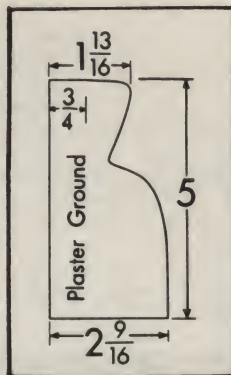
TITUS CEILING DIFFUSERS ARE:

Write for literature

- A. Furnished in beautiful metalescent aluminum finish.
(Unless otherwise specified)
- B. Individually packaged in sturdy damage-proof cartons.

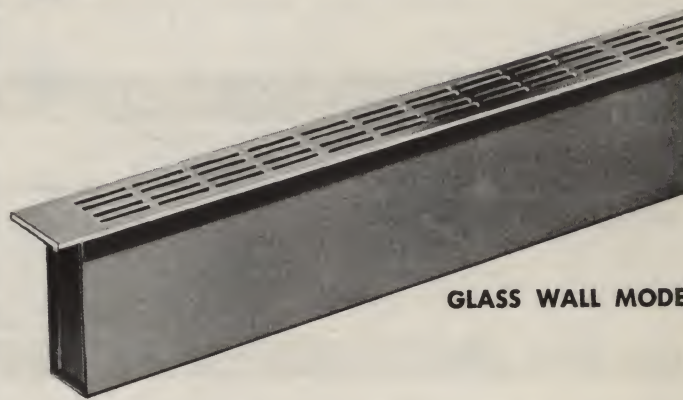
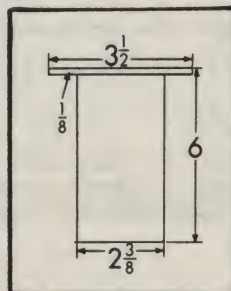
STANDARD MODEL Thermo-Base is furnished in 8', 5', and 3' lengths protected in strong individual cartons. There is no significance to these lengths other than that combinations of them prove to satisfy the requirements of outside wall areas. It is the length of outside walls that is of foremost importance.

The Thermo-Base installed should always be equal to one-half the width of each outside wall but never less than the combined width of all windows and doors. Each unit installed must have one, and only one, supply pipe and boot whether it be 8', 5', or 3' unit.



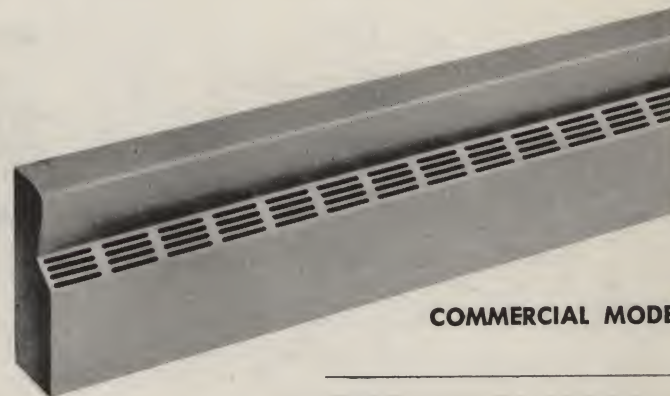
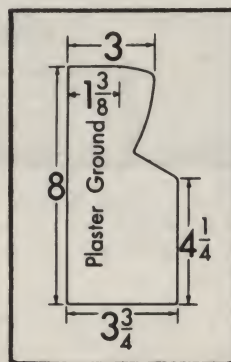
STANDARD MODEL

GLASS WALL MODEL Thermo-Base is furnished in 4' and 3' lengths which, with the use of connectors, covers the entire length of the sliding glass doors or window walls providing a slow-moving curtain of air rising uniformly over the glass surface. Acts as a defroster.



GLASS WALL MODEL

COMMERCIAL MODEL Thermo-Base is furnished in 8' lengths. For complete data for sizing and other recommendations pertaining to this and other models, refer to the Thermo-Base catalog TB-225.

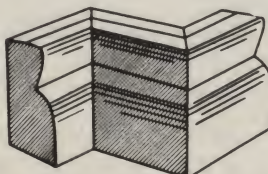


COMMERCIAL MODEL

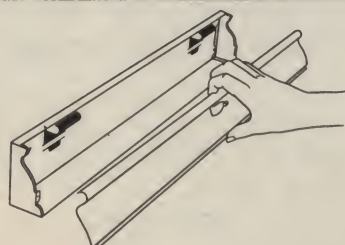
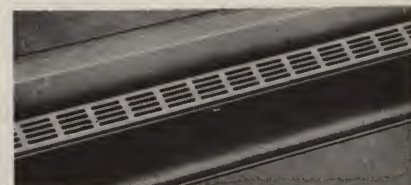


Lever-type damper is optional with Standard and Commercial Models.

Wood base furnished in 3' lengths matches contour and used either as filler or mitered on job to make inside or outside corners.

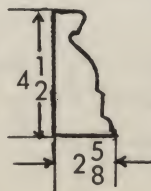


Band connector (internal) for connecting units end-to-end.

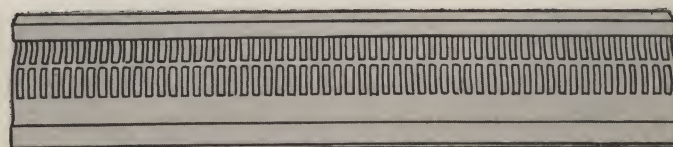


GERWIN DIFFUSERS

Unique damper literally drops into place. No tools required.



This attractive baseboard diffuser is furnished in 24", 30" and 48" lengths with or without dampers, having 30, 37.5 and 60 square inches of free area respectively.



Electric Thermo-Base

PERIMETER **AIR** DISTRIBUTION SYSTEMS

Electric Thermo-Base gently circulates warm air throughout the living area. There is no stagnation and no layers of hot or cool air. The warmed air is so gently distributed that no drafts can ever occur and a feeling of indoor freshness is the natural result.

Summer comfort, health and cleanliness are combining to make year round air conditioning an absolute necessity for most families in the years to come. Since Electric Thermo-Base is an air system, the major market . . . the great middle-income group . . . can add cooling at their convenience, now or later; can go step-by-step to higher living standards without any compromise with the highest degree of cooling comfort known.

The greatest economy in power consumption is obtained by well-planned zoning. Maximum savings are possible by zoning every room. This permits maintaining lower temperatures in rooms infrequently used. Different temperatures can be maintained in each room according to desire. Zoning will automatically and instantly compensate for sudden shifts in prevailing winds.

Electric heat is clean heat and with Electric Thermo-Base this feature is even more pronounced. The gently warmed air can be filtered clean of most dust particles by either "throw-away" or washable filters. The ultimate in cleanliness can be secured by the newer electronic air cleaners which even remove tobacco smoke and pollen.

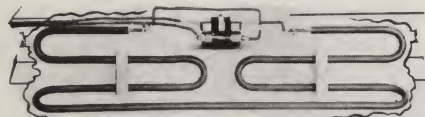
The need for proper humidity in the air we breathe has been medically proven. Since Electric Thermo-Base is a circulating air system, proper humidification can be readily provided by many humidifiers now available. The occupants will have fewer colds and will save on power too. The thermostat can be set lower when the home has proper humidity.

Much less radiation loss occurs with Electric Thermo-Base due to its lower operating temperature. This is in addition to the savings due to flexible zoning and adaptability to humidification equipment. Great savings in power over duct heaters and electric furnaces are obtained because with this system no duct loss occurs. The heat is generated in the baseboard distributor which is within the room where the heat is needed.



The above illustrates the manner in which the electric element assembly is inserted within the distributor, always directly over the boot opening.

ing, with both the Standard and Commercial Models. As with all models, the front is readily removable in the event servicing is required.



This x-ray view of the element assembly exposes the stainless steel sheathed element, the limit control and the fusible link.



The above Glass Wall Model is frequently approached from the side and supplied through a $3\frac{1}{4}$ x 10 side boot opening, in which case the snap-out portion of the element assembly's front panel is removed, as shown.

Design Wattage	600 w	900 w	1200 w	1500 w	1800 w
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*Standard Model profile with element in place



*Glass Wall Model profile with element in place



*Commercial Model profile with element in place

The ELECTRIC ELEMENT ASSEMBLY is shown in profile and illustrates that the same elements are used in each of the three models of distributors with only a variation in spacing between the base of element and floor of distributor.

ELECTRIC ELEMENTS are made in five sizes and standard 220 Volt (other voltage can be furnished if required). Individual room control is obtained by using Minneapolis-Honeywell Line Voltage Thermostat #T 460 Capacity up to 5000 Watts.

Johns-Manville [®]TRANSITE WARM AIR DUCT

Transite Warm Air Duct is supplied in standard diameters from 3" to 8" as shown in the table below. A large line of Transite fittings includes all the couplings, tees, elbows etc. needed to provide an all-Transite duct system.

Transite's long 10' lengths reduce the number of sections needed, with resultant fewer joints. Duct is more easily laid to grade. Its relatively light weight permits one-man handling of full lengths of the more commonly used sizes.

Transite Warm Air Duct—Standard Sizes*	
Pipe Diameter (in inches)	Weight per foot (in pounds)
3	2.4
4	3.4
5	4.8
6	5.8
7	6.8
8	7.8
Standard Lengths 10' and 5'	
*If diameters of 10" and 12" are required Transite Pipe is available in 13' and 6½' lengths.	



Transite Warm Air Duct is corrosion resistant inside and out. Smooth interior aids heating efficiency.

No Encasement Required

When joints are taped or joined by tapered coupling or connected by a lace and hook method, Transite may be laid directly on the prepared bottom without encasement in concrete, special supports or anchoring.



Standard Sizes

ROUND		OVAL		
Pipe sizes in.	Length ft.	Pipe No.	Inside Dimensions in.	Length ft.
3" through 7"	5	3	2¼ x 4¼	5
		4	2¼ x 6½	
		5	2¼ x 9¾	
		6	2¼ x 11¼	
8" through 12"	6½	A	1½ x 8½	

TRANSITE Gas Vent

TYPE B

Transite* Type B Gas Vent is made of asbestos fibers, cement and silica formed under pressure and steam cured to provide a non-combustible pipe which is strong, durable and corrosion-resistant. It is especially designed by Johns-Manville for correct and economical venting of domestic gas-burning appliances.

CORROSION-RESISTANT, NON-COMBUSTIBLE—Transite Type B Gas Vent cannot rust. Its asbestos-cement composition provides safe, effective venting and long life.

STRUCTURALLY STRONG—Transite does not deform, dent or bend out of shape. It can be supported at any convenient point.

ECONOMICAL TO INSTALL—Transite is easy to handle and assemble. Tapered Couplings simplify installation . . . provide tight joints, automatic alignment of pipe.

ROUND AND OVAL SHAPES—Both round and oval shapes of Transite Type B Gas Vent permit complete freedom of design in both open and concealed venting systems.

COMPLETE LINE OF FITTINGS—Fittings are available in both round and oval shapes to meet the requirements of practically any layout.

CONTINUOUSLY APPROVED—Listed by the Underwriters' Laboratories since 1932, Transite Type B Gas Vent is the only pipe with such an uninterrupted acceptance for venting appliances using natural, manufactured and LP gas.

SONOAIRDUCT



Regular SONOAIRDUCT was specifically developed to save you time, labor and money on installation of gas and oil fired loop, radial and lateral slab heating systems. It is now aluminum foil lined for lower coefficient of air friction; wrapped in black, weather-resistant asphalt duplex kraft—and end dipped in wax to make it more impervious to moisture. Permitted by F.H.A.

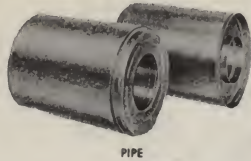
Fits all standard metal T's, registers, bends, etc. Can be sawed to exact lengths on the job.

Inside Diameter	Wall Thickness	Approx. Wt. Per M Feet	Approx. No. Ft. in Carload
2"	.125"	278 lbs.	60,000 ft.
3"	.125"	407 lbs.	39,000 ft.
3½"	.150"	562 lbs.	28,000 ft.
4"	.150"	635 lbs.	22,400 ft.
4½"	.150"	712 lbs.	16,000 ft.
5"	.150"	788 lbs.	14,700 ft.
6"	.175"	1,086 lbs.	10,300 ft.
6½"	.175"	1,195 lbs.	8,500 ft.
7"	.200"	1,439 lbs.	8,000 ft.
7½"	.200"	1,538 lbs.	7,000 ft.
8"	.200"	1,636 lbs.	6,500 ft.
8½"	.200"	1,755 lbs.	5,300 ft.
9"	.225"	2,071 lbs.	5,000 ft.
10"	.225"	2,396 lbs.	4,400 ft.
11"	.225"	2,516 lbs.	3,600 ft.
12"	.225"	2,745 lbs.	3,000 ft.
14"	.250"	3,523 lbs.	2,160 ft.
16"	.300"	4,777 lbs.	1,512 ft.
18"	.300"	5,365 lbs.	1,080 ft.
20"	.375"	7,372 lbs.	720 ft.
22"	.375"	8,095 lbs.	720 ft.
24"	.375"	8,818 lbs.	684 ft.
26"	.375"	9,515 lbs.	576 ft.
28"	.375"	10,236 lbs.	576 ft.
30"	.400"	11,663 lbs.	432 ft.
32"	.400"	12,428 lbs.	324 ft.
36"	.410"	14,303 lbs.	288 ft.

the METALBESTOS ALL-FUEL CHIMNEY

First Truly All-Fuel Chimney

Safe, Efficient Performance — Without Condensation !
The insulated Metalbestos Chimney is superior to conventional brick or masonry chimneys because it carries waste gases from the appliance to the outside air without allowing them to cool. Cold chimney gases produce harmful condensation that can endanger the efficiency and safety of the heating unit. The highly insulated Metalbestos Chimney heats quickly and keeps the waste gases hot until they are safely expelled outdoors.



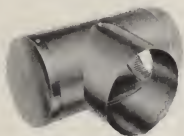
PIPE



SUPPORT ASSEMBLY



FIRESTOP SPACER



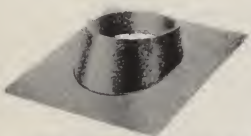
STARTER TEE



ROUND CHIMNEY TOP



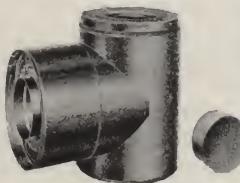
ROUND STORM COLLAR



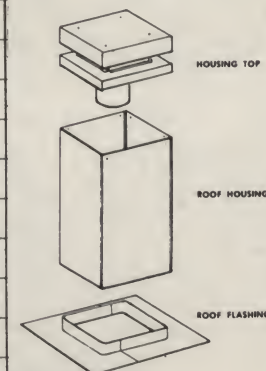
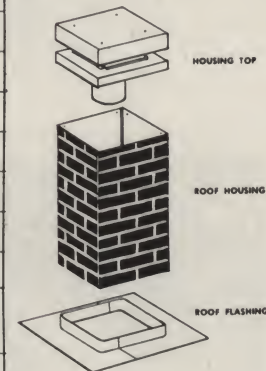
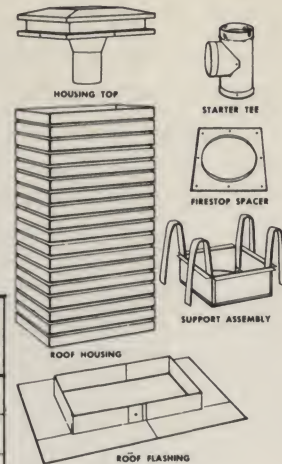
ROUND ADJUSTABLE ROOF FLASHING



TALL CONE FLAT ROOF FLASHING



INSULATED TEE W/INS. TEE CAP



DESCRIPTION	CODE No.	UNIT PRICE	PCS. PER CTN.
PARTS & ACCESSORIES			
18" LENGTH PIPE	CP 18	11.25	1
30" LENGTH PIPE	CP 30	18.75	1
SUPPORT ASSEMBLY	SA	7.50	1
FIRESTOP SPACER	FS	1.10	4
STARTER TEE W/TEE CAP	ST	2.40	4
ROUND CHIMNEY TOP	RCT	11.00	1
ROUND STORM COLLAR	RSC	2.00	4
ROUND ADJUSTABLE ROOF FLASHING	RRF	9.00	4
TALL CONE FLAT ROOF FLASHING	FRF	10.50	4
INSULATED TEE W/INS. TEE CAP	INT	35.00	1
PACKAGED INSTALLATION UNITS (FULLY DESCRIBED ON REVERSE SIDE)			
CUSTOM HOUSING INSTALLATION PKG. 3'	CK 3	43.00	1
CUSTOM HOUSING INSTALLATION PKG. 4'	CK 4	48.00	1
CUSTOM HOUSING INSTALLATION PKG. 5'	CK 5	53.00	1
DELUXE HOUSING ASSEMBLY			
RED BRICK	3' DHR 3	23.00	1
RED BRICK	4' DHR 4	26.00	1
RED BRICK	5' DHR 5	29.00	1
BUFF BRICK	3' DHB 3	23.00	1
BUFF BRICK	4' DHB 4	26.00	1
BUFF BRICK	5' DHB 5	29.00	1
STANDARD HOUSING ASSEMBLY	3' SH 3	19.00	1
STANDARD HOUSING ASSEMBLY	4' SH 4	22.00	1
STANDARD HOUSING ASSEMBLY	5' SH 5	25.00	1

Greater Installation Flexibility

The Metalbestos Chimney is easily positioned because its support assembly adapts freely to inside or outdoor installation. A telescoping stub section provides adjustability when connecting the Chimney Housing with the top-most section of the Chimney. Further height versatility is made possible by three sizes of the Metalbestos Chimney Housing assembly: 3', 4', and 5'.

Attractive, Weather-Proof Chimney Housing

The pre-assembled Metalbestos Chimney Housing installs easily on roofs of any pitch. "Shadow Line" ridging adds sturdy reinforcement . . . suggests the textural pattern of brick when the Housing is painted to match or complement the home's other external color elements. Pre-treated with a phosphatizing agent that permits direct application of paint, the Housing offers builders and architects an opportunity for unique . . . and exact . . . exterior color styling.

METALBESTOS—ROUND PIPE AND FITTINGS

RV Round Pipe

5' LENGTH

SIZE	PRICE PER FOOT	PER CARTON PCS. FEET	WEIGHT PER CARTON
3"	\$.94	6 30	30
4"	1.16	6 30	32
5"	1.36	4 20	32
6"	1.56	4 20	37

3' LENGTH

SIZE	PRICE PER FOOT	PER CARTON PCS. FEET	WEIGHT PER CARTON
3"	.98	6 18	17
4"	1.22	6 18	23
5"	1.46	6 18	29
6"	1.68	6 18	35

18" LENGTH

SIZE	PRICE PER PIECE	PIECES PER CARTON	WEIGHT PER CARTON
3"	1.66	6	9
4"	2.00	6	12
5"	2.40	6	14
6"	2.82	6	18

12" LENGTH

SIZE	PRICE PER FOOT	PER CARTON PCS. FEET	WEIGHT PER CARTON
3"	1.38	6	6
4"	1.68	6	8
5"	2.02	6	10
6"	2.34	6	12

6" LENGTH

SIZE	PRICE PER FOOT	PER CARTON PCS. FEET	WEIGHT PER CARTON
3"	.84	6	3
4"	1.00	6	5
5"	1.20	6	6
6"	1.42	6	7

QC Round Pipe

5' LENGTH

SIZE	PRICE PER FOOT	PER CARTON PCS. FEET	WEIGHT PER CARTON
7"	\$2.30	2 10	28
8"	2.62	2 10	30

3' LENGTH

SIZE	PRICE PER FOOT	PER CARTON PCS. FEET	WEIGHT PER CARTON
7"	2.46	4 12	35
8"	2.76	4 12	39
10"	5.34	2 6	34
12"	7.60	2 6	35

18" LENGTH

SIZE	PRICE PER PIECE	PIECES PER CARTON	WEIGHT PER CARTON
7"	4.10	8	35
8"	4.56	8	40
10"	10.70	2	17
12"	14.98	2	20

Adjustable Length

RV ONE LENGTH — 12"

SIZE	PRICE PER PIECE	PIECES PER CARTON	WEIGHT PER CARTON
3"	\$1.60	6	7
4"	1.94	6	8
5"	2.24	6	10
6"	2.60	6	12

QC ONE LENGTH — 18"

SIZE	PRICE PER PIECE	PIECES PER CARTON	WEIGHT PER CARTON
7"	4.09	8	35
8"	4.56	8	40
10"	11.02	2	17
12"	14.98	2	20

90° Adjustable Elbow

SIZE	PRICE PER PIECE	PIECES PER CARTON	WEIGHT PER CARTON
RV 3"	\$4.06	6	6
4"	4.88	6	8
5"	5.74	6	10
6"	6.90	6	13
QC *7"	9.92	3	15
*8"	10.58	4	25

* Not Adjustable

45° Adjustable Elbow

SIZE	PRICE PER PIECE	PIECES PER CARTON	WEIGHT PER CARTON
RV 3"	\$ 2.32	6	4
4"	2.78	6	6
5"	3.28	6	7
6"	3.94	6	9
QC 7"	5.66	3	6
8"	6.04	3	7
*10"	15.26	2	10
*12"	18.84	1	8

* Not Adjustable

Tee

SIZE	PRICE PER PIECE	PIECES PER CARTON	WEIGHT PER CARTON
RV 3 x 3 x 3	\$ 4.54	6	7
4 x 4 x 4	5.46	6	9
5 x 5 x 5	6.38	6	12
5 x 5 x 3	6.38	6	12
6 x 6 x 6	7.30	6	15
6 x 6 x 3	7.30	6	15
6 x 6 x 4	7.30	6	15
QC 7 x 7 x 7	8.96	4	16
8 x 8 x 8	9.94	2	11
10 x 10 x 10	26.90	1	11
12 x 12 x 12	32.46	1	15

Other sizes available on special order.

Tee Cap

SIZE	PRICE PER PIECE	PIECES PER CARTON	WEIGHT PER CARTON
RV 3"	\$.34	6	1
4"	.34	6	1
5"	.42	6	1
6"	.42	6	1
QC 7"	1.04	6	1
8"	1.20	6	1
10"	2.40	1	1
12"	3.20	1	1

Belmont Top (Bird Proof)

SIZE	PRICE PER PIECE	PIECES PER CARTON	WEIGHT PER CARTON
RV 3"	\$ 2.16	6	4
4"	2.30	6	5
5"	3.14	6	7
6"	4.06	6	10
QC 7"	5.64	1	3
8"	7.20	1	4
10"	15.70	1	5
12"	21.32	1	6

Utility Belmont Tops (with a male end or shank in place of the RV or QC coupler) are available in the above listed sizes to fit into any standard type of vent pipe. Prices same as above.

Tall Cone Roof Flashing

SIZE	PRICE PER PIECE	PIECES PER CARTON	WEIGHT PER CARTON
3"	\$2.58	6	17
4"	2.90	6	18
5"	3.76	6	19
6"	4.82	6	23
7"	5.46	6	24
8"	5.90	6	24

ADJUSTABLE

SIZE	PRICE PER PIECE	PIECES PER CARTON	WEIGHT PER CARTON
3"	2.58	6	22
4"	2.90	6	23
5"	3.76	6	23
6"	4.82	6	24
7"	6.96	6	32
8"	8.56	6	35

6" size flat to 5/12 pitch.
Other size flat to 6/12 pitch.

WV Oval Pipe
4" SIZE ONLY

LENGTH	PRICE PER FOOT	PER CARTON PCS. FEET	WEIGHT PER CARTON
5 ft.	\$1.44	6 30	45
4 ft.	1.46	6 24	35
3 ft.	1.48	6 18	27

	PRICE PER PIECE	PIECES PER CARTON	
18 in.	\$2.40	10	22
12 in.	2.02	6	9
6 in.	1.20	6	5

Crimp Joint Oval Pipe
5" SIZE ONLY

LENGTH	PRICE PER FOOT	PER CARTON PCS. FEET	WEIGHT PER CARTON
5 ft.	\$2.12	4 20	53
3 ft.	2.12	4 12	31

Oval Adjustable Length
WV ONE LENGTH — 12"

SIZE	PRICE PER PIECE	PIECES PER CARTON	WEIGHT PER CARTON
4"	\$2.26	6	9

Oval 45° Elbow (Standard)

SIZE	PRICE PER PIECE	PIECES PER CARTON	WEIGHT PER CARTON
WV 4"	\$3.82	6	6
CRIMP 5"	8.48	8	19

Oval 45° Elbow (Flat)

SIZE	PRICE PER PIECE	PIECES PER CARTON	WEIGHT PER CARTON
WV 4"	\$3.82	10	10
CRIMP 5"	8.48	8	23

Oval Tee
With Female RV Round Coupler

SIZE	PRICE PER PIECE	PIECES PER CARTON	WEIGHT PER CARTON
WV 4"	\$7.10	6	11
CRIMP 5"	9.54	6	19

Oval Tee
With Short Snout for Plain Round Pipe Connection

SIZE	PRICE PER PIECE	PIECES PER CARTON	WEIGHT PER CARTON
4"	\$7.10	6	9

Oval Tee Cap

SIZE	PRICE PER PIECE	PIECES PER CARTON	WEIGHT PER CARTON
WV 4"	\$.98	10	1
CRIMP 5"	1.26	10	2

Oval Belmont Top (Bird Proof)

SIZE	PRICE PER PIECE	PIECES PER CARTON	WEIGHT PER CARTON
4"	\$3.18	6	6

Oval Adjustable Roof Flashing

SIZE	PRICE PER PIECE	PIECES PER CARTON	WEIGHT PER CARTON
4"	\$2.12	10	15

Oval Storm Collar

SIZE	PRICE PER PIECE	PIECES PER CARTON	WEIGHT PER CARTON
4"	\$.92	10	3

Adapter, Round to Oval

SIZE	PRICE PER PIECE	PIECES PER CARTON	WEIGHT PER CARTON
RV to WV 4"	\$2.68	6	9
RV to CRIMP 5"	3.88	6	16

Adapter, Oval to Round

SIZE	PRICE PER PIECE	PIECES PER CARTON	WEIGHT PER CARTON
WV to RV 4"	\$2.68	6	7
CRIMP to RV 5"	3.88	6	11

Oval Increaser

SIZE	PRICE PER PIECE	PIECES PER CARTON	WEIGHT PER CARTON
4" WV to 5" Crimp	\$5.08	6	10

#7 x ¾ Cadmium Plated Sheet Metal Screws . . . \$1.32 per Gross

#7 x ¼ Cadmium Plated Sheet Metal Screws . . . 1.32 per Gross

All prices listed herein are subject to change without notice. All orders will be invoiced at prices in effect at date of shipment.

Specially designed for in-the-wall venting, WV Metalbestos is the narrowest double-wall vent made. It is approved by Underwriters' Laboratories for both Type B (standard appliances) and Type B-W (recessed wall heater) installations.

METALBESTOS—ROUND PIPE AND FITTINGS *Continued*

Adjustable Roof Flashing

Flat to 6/12 pitch



SIZE	PRICE PER PIECE	PIECES PER CARTON	WEIGHT PER CARTON
3"	\$1.28	6	11
4"	1.52	6	12
5"	2.58	6	17
6"	3.64	6	18
7"	4.44	6	20
8"	4.72	6	28
10"	6.42	1	6
12"	7.28	1	9

Storm Collar



SIZE	PRICE PER PIECE	PIECES PER CARTON	WEIGHT PER CARTON
3"	\$.36	6	1
4"	.36	6	2
5"	.94	6	2
6"	1.00	6	2
7"	1.08	6	3
8"	1.14	6	3
10"	1.28	1	1
12"	1.36	1	1

Increaser



SIZE	PRICE PER PIECE	PIECES PER CARTON	WEIGHT PER CARTON
RV 3" to 4"	\$2.78	6	4
3" to 5"	3.04	6	5
3" to 6"	3.16	6	6
4" to 5"	3.04	6	6
4" to 6"	3.16	6	6
5" to 6"	3.16	6	7
6" to 7" QC	3.56	6	8
6" to 8" QC	4.16	6	9
QC 7" to 8"	4.16	6	5
8" to 10"	7.16	1	3
8" to 12"	9.40	1	4
10" to 12"	9.40	1	3

Other sizes available on special order.

Reducer



SIZE	PRICE PER PIECE	PIECES PER CARTON	WEIGHT PER CARTON
RV 4" to 3"	\$2.78	6	5
5" to 4"	3.04	6	6
6" to 5"	3.16	6	7
7" QC to 6"	3.56	6	9
QC 8" to 7"	4.16	6	5

Other sizes available on special order.

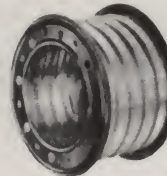
Draft Hood Connector



SIZE	PRICE PER PIECE	PIECES PER CARTON	WEIGHT PER CARTON
RV 3"	\$.72	6	2
4"	.86	6	3
5"	.98	6	4
6"	1.14	6	4
QC 7"	1.54	3	2
8"	1.80	3	3
10"	2.66	1	2
12"	3.24	1	3

Draft Hood Connector serves as a starter fitting for connecting Metalbestos pipe to the flue collar or draft hood outlet of the appliance. Flexible shank can be shaped to fit oval outlets.

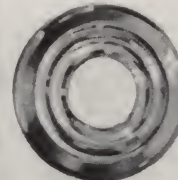
Wall Thimble



SIZE	PRICE PER PIECE	PIECES PER CARTON	WEIGHT PER CARTON
3"	\$1.48	6	5
4"	1.86	6	9
5"	1.86	6	8
6"	2.32	6	10
7"	3.34	6	14
8"	3.34	6	12

Not available in 10" and 12".

Pipe Collar



SIZE	PRICE PER PIECE		PIECES PER CARTON	WEIGHT PER CARTON
	Galv.	Chr.		
3"	\$.48	\$1.18	6	3
4"	.48	1.18	6	3
5"	.48	1.18	6	3
6"	.48	1.18	6	2

Not available in 7", 8", 10" or 12".
Furnished in either chrome or galvanized.

METALBESTOS—OVAL PIPE AND FITTINGS

Oval Wall Tee

WV 4" SIZE ONLY



LENGTH	PRICE PER PIECE	PIECES PER CARTON	WEIGHT PER CARTON
3 ft.	\$ 7.88	5	27
4 ft.	9.36	5	35
5 ft.	10.82	5	42

Type B-W Installation Kit



Complete Kit, total price	\$2.08
Ceiling Plate Spacers, Pair	1.14
Base Plate	.94
Weight for Complete Kit	2 lbs.

Metalbestos Wall Heater Vent — Type B-W

Listed by Underwriters' Laboratories, Inc. for use with vented recessed wall heaters.

Photo shows complete Wall Heater Vent assembly consisting of a Type B-W Installation Kit and one length of WV Oval Pipe with a WV Oval to RV Round Adapter attached, all packaged in one carton. The length of oval pipe desired (3', 4' or 5') should be specified when ordering. Overall lengths (including Adapter) are 43½", 55½" and 67½".

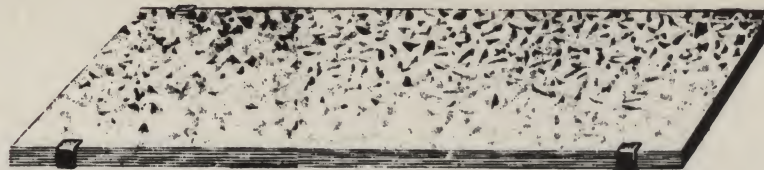
Prices for complete Wall Heater Vent Assembly:

	WEIGHT PER CARTON	
4" size only	9	\$10.28
4 ft. length	10	11.72
5 ft. length	12	13.28

All components of the Wall Heater Vent assembly may be purchased separately if desired.

When it is desirable to continue to the exterior using oval vent, order a B-W Installation Kit (see above), sufficient WV Oval Pipe of suitable length, a WV Oval Roof Flashing, a WV Oval Storm Collar and a WV Oval Belmont Top.

GALVANIZED SHEETS



BUNDLING TABLE

GAUGE	22			24			26			28			30		
OZS. PER SQ. FT.	22.5			18.5			14.5			12.5			10.5		
LBS. PER SQ. FT.	1.406			1.156			.9062			.7812			.6562		
SIZE OF SHEETS	Weight Per Sheet	Sheets Per Bdle.	Weight Per Bdle.	Weight Per Sheet	Sheets Per Bdle.	Weight Per Bdle.	Weight Per Sheet	Sheets Per Bdle.	Weight Per Bdle.	Weight Per Sheet	Sheets Per Bdle.	Weight Per Bdle.	Weight Per Sheet	Sheets Per Bdle.	Weight Per Bdle.
30x96	28.12	5	141	23.12	7	162	18.12	8	145	15.62	10	156	13.12	11	144
32x96													13.87	11	153
36x96							21.75	7	152	18.75	8	150	15.75	10	157

**OTHER SIZES AND GAUGES ALSO AVAILABLE
FOR IMMEDIATE DELIVERY**



ZIPP-R COIL

50' Prime Galvanized Steel Coiled In The *Dispenser* Carton

✓ Mount Carton
At End Of Bench
✓ Slit The Tape
✓ You're Ready
To Work!

READY TO USE

Just slit the tape



WEIGHT PER CARTON OF 50'

	36 Wide	30 Wide
50' ZIPP-R Coil 28 Ga.	117	98

CHAMPION ROOF FLASHING

GALVANIZED



SIZED TO
WARM AIR PIPE

Size	No. Per Carton	Weight Per Ctn.
3"	12	13
4"	12	14
5"	12	17
6"	12	24
7"	12	31
8"	12	38
9"	12	44
10"	12	50
12"	12	56

CHAMPION CHIMNEY CAP

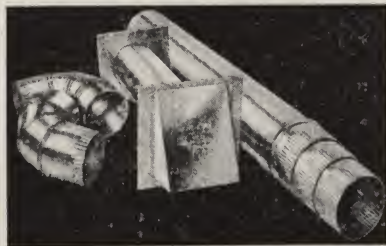
Size	No. Per Carton	Weight Per Ctn.
3"	24	20
4"	24	22
5"	12	16
6"	12	19
7"	12	22
8"	12	25
9"	6	15½
10"	6	18
12"	6	21

GALVANIZED



SELL AND INSTALL

Outside Exhaust FOR Automatic
Clothes Dryer



Available for 3" or 4" vent on Dryer

ADJUSTABLE . . .

for any wall thickness up to 12 inches.

FOR ANY INSTALLATION . . .

wherever the dryer is located;
basement or utility room.

**MADE OF RUST-PROOF
ALUMINUM . . .**

for permanent installation.

ALUMINUM

24" JOINTS

90° ADJUSTABLE ELBOWS

Size Ins. 3" 4"

ARTIS VACUUM CAPS



Size	Oil or Gas Caps	Weight Alum. Lbs.
3"	0 326	.5
4"	0 426	.75
5"	0 526	1.0
6"	0 624	1.5
7"	0 724	2.0
8"	0 824	2.3
9"	0 924	2.5
10"	0 1024	3.2

G. I. RAIN CAP

CAN BE USED FOR ANY VENT



ALUMINUM

SIZES 3" TO 8"

SIZE	No PER CARTON
3"	6
4"	6
5"	6
6"	6
7"	3
8"	3

G.I. EZ-FLO ADJUSTABLE FLASHING

ADJUSTABLE — FLAT TO 1/3 PITCH



GALVANIZED

SIZES 3" TO 9"

SIZE	No PER CARTON
3"	6
4"	6
5"	6
6"	6
7"	6
8"	3
9"	3

ACCURATE REVOLVING VENTILATOR



Collar Size Inches	CFM*	Gauge Galv.	Ounces Copper	Overall Height Inches	Overall Width Inches	Overall Length Inches	Actual Weight in Lbs.
3	32	26	14	10	5½	5½	1½
4	56	26	14	12	5½	7	2
5	89	26	14	12	6½	7½	2½
6	129	26	14	16	7½	10	2¾
7	173	26	14	16	8½	10	3¾
8	236	24	16	18½	9½	11	4½
9	288	24	16	18½	10½	12	4½
10	356	24	16	21½	11½	12½	5½
12	510	24	16	23	14½	16	10
14	693	24	16	24	16½	19	11½
15	797	24	16	29	16½	19	14½
16	1005	22	16	29½	19½	22½	15¼
18	1113	22	18	39	22	24	33
20	1364	22	18	51	24	28	57
24	1966	22	18	57	30	29	70
30	3074	20	20	67	40	38	115
36	4423	20	24	74	44	48	150



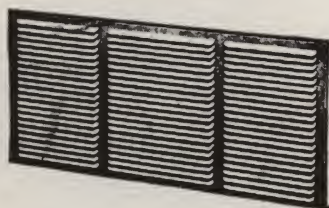
LESLIE VERTICAL WALL LOUVERS

FLUSH FLANGE TYPE: V F Series Louvers are adaptable to frame, brick or veneer walls and are easily installed. The front edges of the louver vanes are flush with the outer surface of the frame. A framed fly screen in the rear excludes insects and birds, and is readily detachable for cleaning. Leslie Louvers are accurately formed from .025" aluminum

FLUSH FLANGE TYPE—"VF" SERIES

Model No.	Size of Opening, In.	Area of Air Duct Opening, Sq. In.	Over-All Dimensions, In.	No. Per Carton	Aluminum Weight Per Carton
VFA	Width	Height	Width	Height	
8- 8	8	8	11	11	4 lbs.
12- 8	12	8	15	11	6 lbs.
12-12	12	12	15	15	8 lbs.
12-18	12	18	15	21	11 lbs.
12-24	12	24	15	27	15 lbs.
18-18	18	18	21	21	6 lbs.
18-24	18	24	21	27	7½ lbs.
24-24	24	24	27	27	10 lbs.
24-30	24	30	27	33	12 lbs.

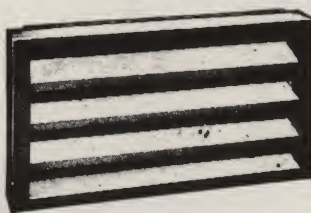
UNDER-EAVE VENTILATOR



Flush flange with finned face complete with screen for under-eave cornice or to cover opening between floor joist for crawl space ventilation.

EA 16 x 8

FOUNDATION LOUVERS (Galvanized Steel with Galvanized Screens)



CONCRETE BLOCK VENTILATOR

CB 16-8

The VF Concrete Block Louver is for use in concrete block foundation walls. Replaces one 8"x8"x16" block. Non-load bearing. Made of galvanized steel only and backed with galvanized screen wire. Durable, has large free area.

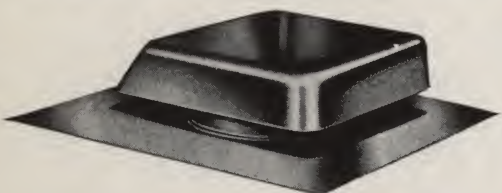
ADJUSTABLE LOUVERS



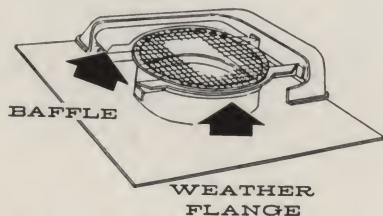
One Model fits 4-12 through 12-12 pitch. Large free area at every pitch. Made of all aluminum with aluminum rivets. Supplied in four sizes, complete with screen.

Area of opening Sq. In.	Model No.	Sq. Ft. of ventilation
96	L40	400
144	L50	600
192	L60	800

SLANT ROOF LOUVERS • Series 50

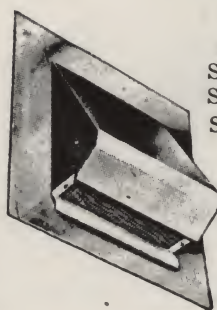


Designed to fit shingled roofs of any pitch. Flanged, baffled, and screened for an easy installation which is weathertight and insect-proof. 4 inch flashing all around. Air openings on three sides insure maximum ventilation. The weather baffles provide positive protection against any entry of wind-driven snow or rain. Made of .025 in. aluminum, 26 gauge steel, 16 oz. copper. Regularly supplied with 8-mesh screen, 16-mesh screen optional.



Model No.	Stack Area	Net Free Area	Flange Dimensions
R-50 A Aluminum	50 sq. in.	41 sq. in.*	16" x 16"

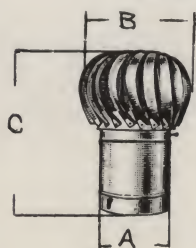
SLANT ROOF LOUVERS- SR Series



Model No.	Size of Opening, In.		Area of Air Duct Opening
	Width	Height	Sq. In.
SRA 10-3	10	3	30
SRA 20-3	20	3	60
SRA-40-3	40	3	120

ALUMINUM

TURBINE VENTILATORS



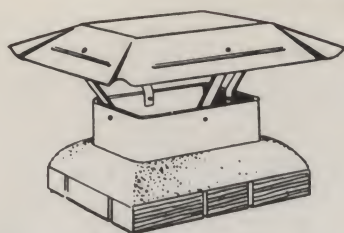
Alum.	cfm*	Overall Dimensions (In.)		
		A	B	C
RTA-6	215	6	11	11
RTA-8	284	8	13	12
RTA-10	424	10	16	16
RTA-12	634	12	18	17
RTA-14	720	14	22	22½
RTA-16	830	16	24	24½
RTA-18	990	18	26	26
RTA-20	1150	20	28	28½
RTA-24	1425	24	33	31
RTA-30	2250	30	38	38

*Above displacements are based on a 4 mph wind, with a 10° temperature differential and a 30 ft. stack.

*All base rings are galvanized.

HY-C ALUMINUM CHIMNEY COVERS

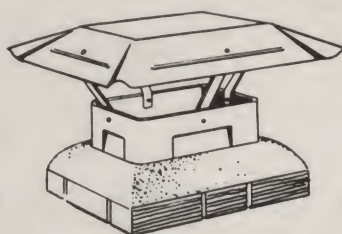
MADE TO FIT ANY CHIMNEY



DURO-SHIELD "CEMENT-ON"

Has snap lock bottom assembly, with leveling flanges. Easily cemented into top of chimney. Furnished with $\frac{1}{8}$ " x $\frac{5}{8}$ " aluminum braces, diamond embossed aluminum top and aluminum bolts and nuts. Attractive and durable, complete with installing instructions.

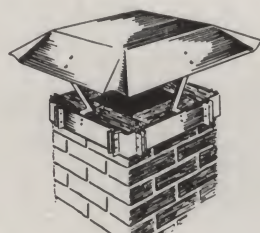
APPROX. CHIMNEY SIZE	APPROX. FLUE OPENING	COVER SIZE	STOCK NUMBER	APPROX. LBS. SHIPPING WT.	LIST PRICE	WITH BIRD GUARD
13 x 17	5 x 9	15 x 19	176A	3	7.19	8.29
17 x 17	9 x 9	18 x 18	177A	3 $\frac{1}{2}$	8.29	9.59
17 x 21	9 x 13	18 x 22	178A	4 $\frac{1}{2}$	9.49	10.99
21 x 21	13 x 13	22 x 22	179A	5	10.69	12.29



DURO-SHIELD "NO-DOWN-DRAFT"

Has inner baffles behind bottom assembly opening — prevents back drafts due to rolling winds. Can be quickly cemented into top of chimney. All aluminum throughout, will give years of satisfactory service. Installing instructions furnished.

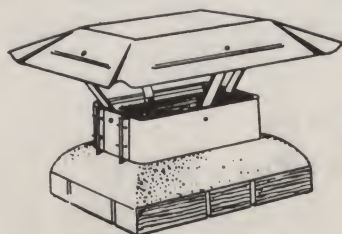
13 x 17	5 x 9	15 x 19	119D	4 $\frac{1}{2}$	13.19	14.29
17 x 17	9 x 9	18 x 18	121D	5 $\frac{1}{2}$	14.49	15.79
17 x 21	9 x 13	18 x 22	122D	6 $\frac{1}{2}$	15.99	17.49
21 x 21	13 x 13	22 x 22	123D	7 $\frac{1}{2}$	17.59	19.19



DURO-SHIELD "BAND AROUND"

Provides maximum protection for open brick and cinder block chimneys — quickly and easily installed. Diamond embossed top and 3" band — $\frac{1}{8}$ " x $\frac{5}{8}$ " bar aluminum braces, aluminum bolts and nuts. Very durable.

13 x 17	15 x 19	186B	3 $\frac{1}{2}$	8.29	9.59
16 x 16	18 x 18	188B	4	9.19	10.69
17 x 17	18 x 18	180B	4	9.19	10.69
17 x 21	18 x 22	182B	4 $\frac{1}{2}$	10.29	11.99
21 x 21	22 x 22	184B	5	11.59	13.49

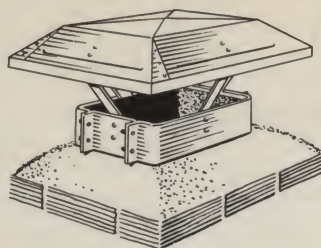


DURO-SHIELD "CLAMP-TO-TILE"

3" band draws securely around liner extension. Ample top overhang to protect from driving rain. Diamond embossed aluminum, aluminum bolts and nuts, $\frac{1}{8}$ " x $\frac{5}{8}$ " aluminum braces. Very rugged, finest quality and workmanship.

9 x 9 Tile	18 x 18	212H	3	7.19	8.49
9 x 13 Tile	18 x 22	210H	4	8.19	9.69
13 x 13 Tile	22 x 22	214H	4 $\frac{1}{2}$	9.29	10.89
13 x 18 Tile	18 x 22	233H	3 $\frac{1}{2}$	8.69	10.19
18 x 18 Tile	22 x 22	238H	4	9.89	11.49
8" Round, 10" O.D. Tile	18 x 18	211H	3 $\frac{1}{2}$	7.39	8.09
10" Round, 12" O.D. Tile	22 x 22	213H	4	9.49	10.29
12" Round, 14" O.D. Tile	22 x 22	215H	4 $\frac{1}{2}$	9.59	10.49

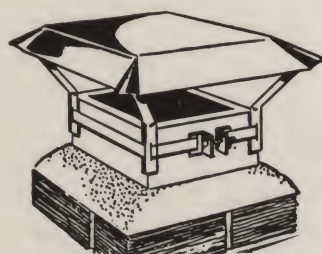
HY-C ALUMINUM CHIMNEY COVERS



CUSTOM "CLAMP-TO-TILE"

Covers in this group have Custom Made tops, $\frac{1}{8}$ " x $\frac{3}{4}$ " aluminum braces, 3" draw band and aluminum bolts and nuts. Made with diamond embossed aluminum. Very attractive, finest quality and workmanship throughout.

APPROX. CHIMNEY SIZE	APPROX. FLUE OPENING	COVER SIZE	STOCK NUMBER	APPROX. LBS. SHIPPING WT.	LIST PRICE	WITH BIRD GUARD
14" Round, 16" O.D. Tile		26 x 26	216H	7 $\frac{1}{2}$	15.29	16.39
16" Round, 18" O.D. Tile		28 x 28	218H	8	16.59	17.79
9 x 18 Rectangular		19 x 28	219H	7	15.99	17.29

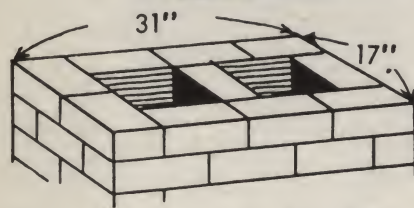
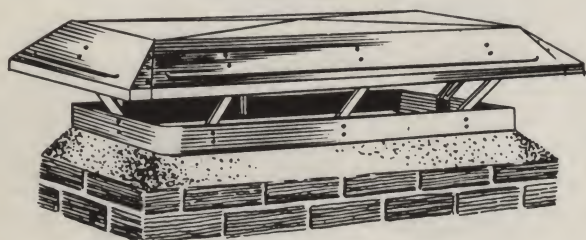


KWICK-CLAMP "CLAMP-TO-TILE"

1" draw band fastens securely to liner extension—won't loosen. Diamond embossed aluminum top and braces, aluminum bolts and nuts. Quickly assembled and installed. Very attractive.

9 x 9 Square or 10" O.D. Round	15 x 15	220H	2	4.19	5.09
9 x 13 Rectangular	15 x 19	224H	2	4.69	5.79
13 x 13 Square or 14" O.D. Round	19 x 19	228H	2 $\frac{1}{2}$	5.39	6.59
12" O.D. Round	19 x 19	230H	2 $\frac{1}{2}$	5.39	6.09

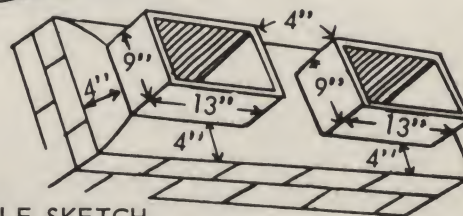
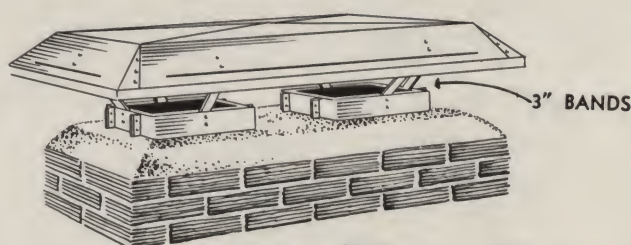
CUSTOM "CEMENT-ON"



2 x 3 $\frac{1}{2}$ BRICK
EXAMPLE

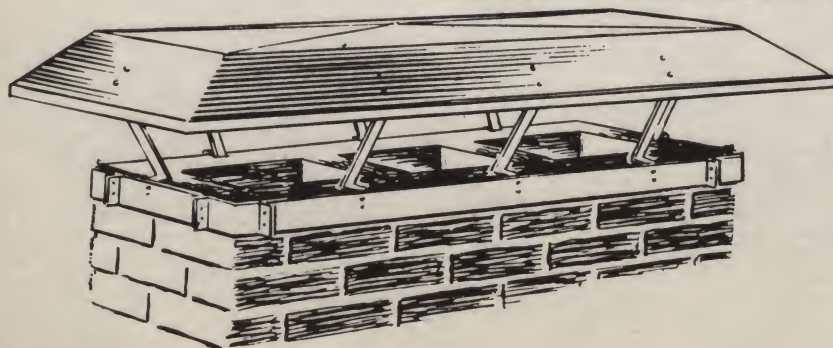
TO ORDER—
FURNISH OUTSIDE
DIMENSION

CUSTOM "CLAMP-TO-TILE"

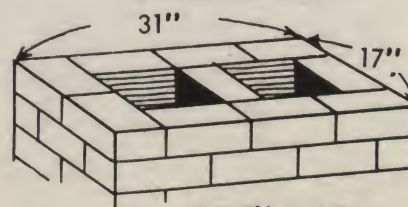


TO ORDER
MAKE A SIMPLE SKETCH
FOLLOWING THIS EXAMPLE

"BAND-AROUND-BRICK-TYPE"



FURNISH OUTSIDE
DIMENSION



2 X 3 $\frac{1}{2}$ BRICK
(EXAMPLE)

Style "K" Box Gutter — 10 Ft. Lengths



Style "K"
Regular



Style "K"
Highback

Highback also available in 8-ft. lengths.

Style "K" Mitres



Outside
"K" Mitre



Inside
"K" Mitre

Style "K" Gutter Accessories



"K" End Cap



"K" Slip
End Cap



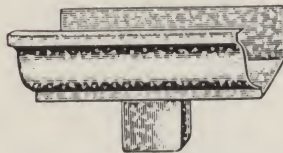
Round
Outlet



Square
Outlet



"K"
Slip Joint
Connection

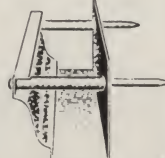


"K" End Piece
with Square Outlet

4" End Pieces have 2" or 3" Sq. or 2" Rd. Outlets.
5" End Pieces have 3" Sq. or Rd. Outlets.
6" End Pieces have 4" Sq. or 3" Rd. Outlets.
Specify outlet size and type.

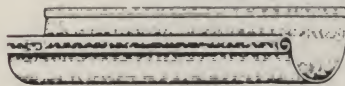


Square Bead
Hanger

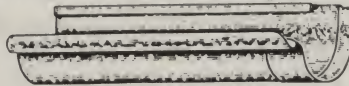


Gutter Spikes
and Ferrules

Half-Round Gutter — 10 Ft. Lengths



Half-Round Gutter — Lap Joint
Half right and half left Slip Joints furnished unless otherwise specified.



Half-Round Gutter — Slip Joint

Half-Round Gutter Mitres



Outside Slip Joint Mitre



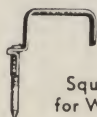
Inside Lap Joint Mitre

Half right and half left Slip Joints furnished unless otherwise specified.

Direct Drive Conductor Pipe Hooks



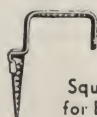
Round
for Wood



Square
for Wood



Round
for Brick



Square
for Brick

Specify 2½" Round Hooks for 2" Corrugated Round Conductor Pipe.

Half Round Gutter Accessories



"C" End Cap



"E" End Cap



"D"
End Piece



"B" Drop



"S"
Slip Joint
Connection



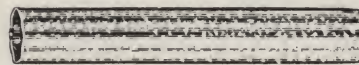
Tite-Lock Hanger

4" D End Pieces have 2" or 3" Drops.
5" D End Pieces have 3" or 4" Drops.
6" D End Pieces have 4" or 5" Drops.
Specify size of drop.

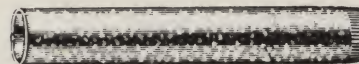
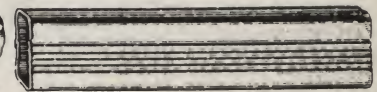
4" and 5" Tite-Lock Hangers
packed 100 per carton. 66
— 8" stems; 34 — 10" stems.

6" Tite-Lock Hangers packed
50 per carton. 33 — 9" stems;
17 — 12" stems.

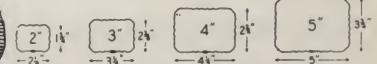
Conductor Pipe



Corrugated Round Conductor Pipe



Plain Round Conductor Pipe



Corrugated Square Conductor Pipe

Conductor Pipe Elbows and Shoes



Corrugated
Round



Plain
Round



Square
Style "A"



Square
Style "B"



No. 1
45°



No. 2
60°



No. 3
75°



No. 4
90°



Shoe
75°

Funnels and Cutoffs



Funnel



Corg. Rd. Cutoff



Plain Rd. Cutoff



Square Cutoff



Round

Conductor Pipe Wire Strainers

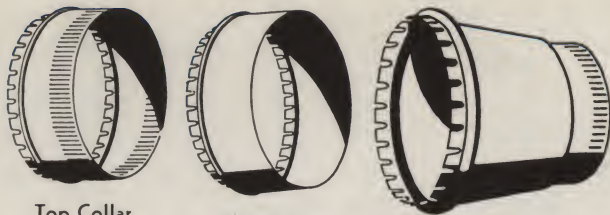
Round strainers are
furnished in 3, 4, 5
and 6-inch sizes.

Square strainers are
furnished in 3, 4 and
5-inch sizes.



Square

COLLARS

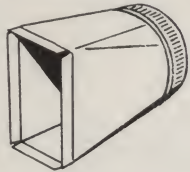


Top Collar

Stub Collar

No. 604 Plenum Collar

Top Collars
Stub Collars } 4" THRU 24"

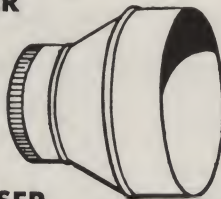


No. 580 Transformer

Size	
6 x 5	8 x 6
7 x 5	9 x 7
	10 x 8

580 Size	
4 x 8-6	
4 x 8-7	
5 x 8-7	
6 x 8-8	

ROUND REDUCER



Size

5 to 3"
5 to 4"
6 to 4"
6 to 5"
7 to 5"
7 to 6"
8 to 6"
8 to 7"
9 to 6"
9 to 7"
10 to 7"
10 to 8"
12 to 9"
12 to 10"

ROUND INCREASER

SPECIFY
REDUCER
OR
INCREASER
AND
CRIMPED
END

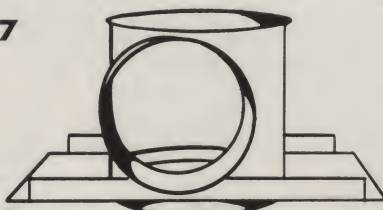


Available without Crimp

BASEMENT DIFFUSER BOX

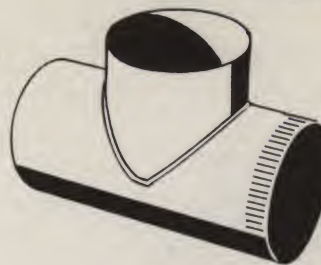
No. 717

6 x 8"
7 x 10"
8 x 12"
9 x 14"



TEES

DRAWBANDS



Tee Joint



Tee Joint Cap Handle



Tee Joint Cap Plain

Tee-Joint No. 26 gauge

Tee-Joint No. 24 gauge

Flue Thimbles

Tee-joint Cap—Handle

Tee-joint Cap—Plain

Drawbands, 26 ga.

Drawbands, 24 ga.

Chimney Cap



Flue Thimble



Draw Band



Chimney Cap

3" THRU 12"

4" THRU 24"

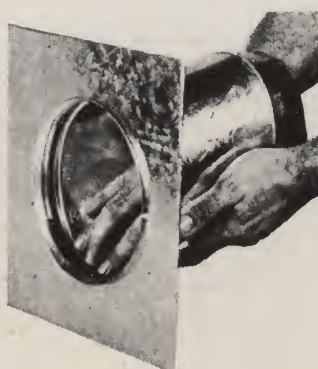
3" THRU 12"

"SNAPPY," TAKE — OFFS FAST INSTALLATION!

Simply cut the opening for the takeoff to the required size as per template enclosed in carton. Raise the hinged spring steel and hook the fitting into the opening. Collapse the inner collar as shown in figure at the left. All that is necessary to complete the installation is to release the collar and press the spring steel past dead-center, locking the fitting firmly in position.



COLLAPSE COLLAR
and SNAP-IN ▶▶▶



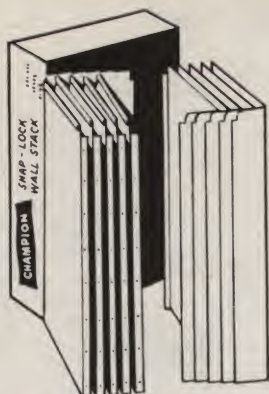
ADJUSTABLE
TAKE-OFF

Size
4"
5"
6"
7"
8"



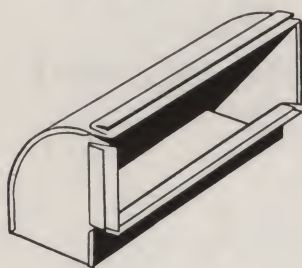
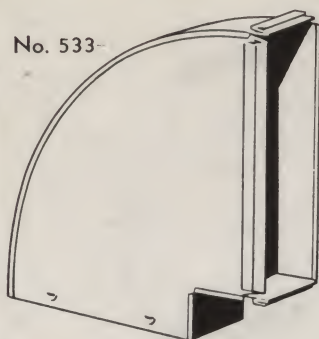
"A"
COLLAR

WALL STACK- ELBOWS ANGLES

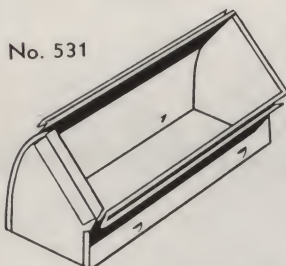


#566 Wallstack

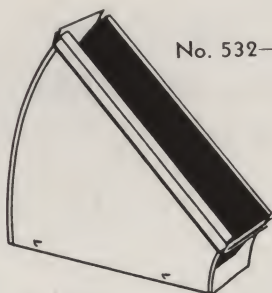
No. 533-



No. 531



No. 532-



Size

10 x 3-1/4

12 x 3-1/4

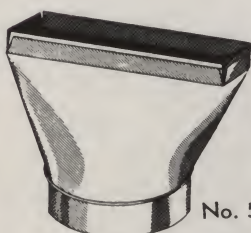
14 x 3-1/4

2-1/4 x 10

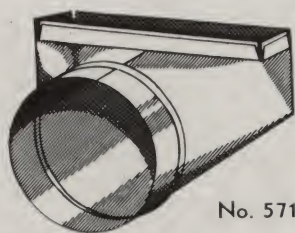
2-1/4 x 12

2-1/4 x 14

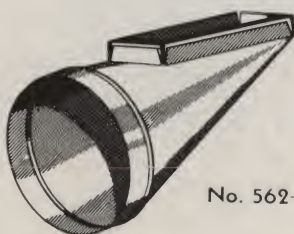
STACK BOOTS



No. 570



No. 571



No. 562-

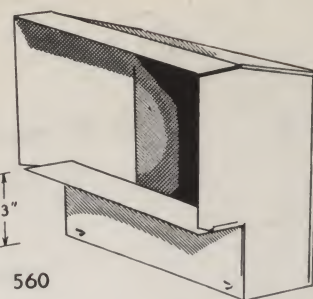
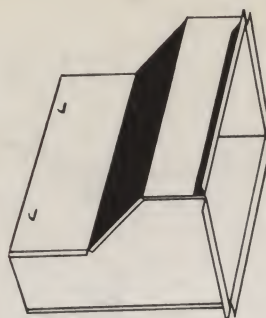


No. 573

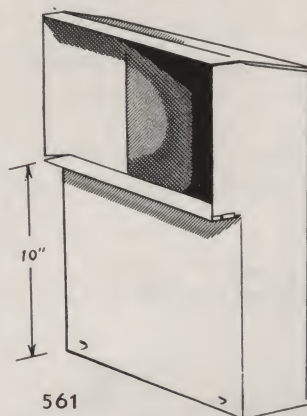
Stack Size	Collar Size
10 x 3-1/4	4-5-6-7
12 x 3-1/4	4-5-6-7
14 x 3-1/4	7-8

Stack Size	Collar Size
2-1/4 x 10	4-5-6"
2-1/4 x 12	4-5-6"
2-1/4 x 14	7-8"

STACK HEADS

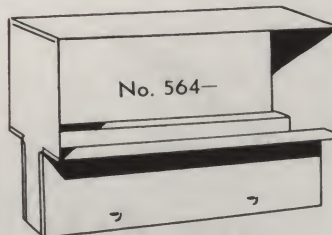


560

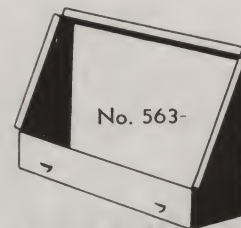


561

Reg. Size	Stack Size
10 x 6	10 x 3-1/4
12 x 6	12 x 3-1/4
14 x 6	14 x 3-1/4
6 x 10	2-1/4 x 10
6 x 12	2-1/4 x 12
6 x 14	2-1/4 x 14

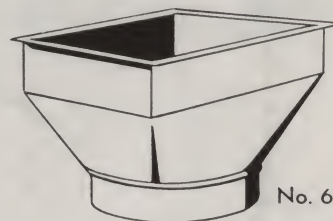


No. 564-

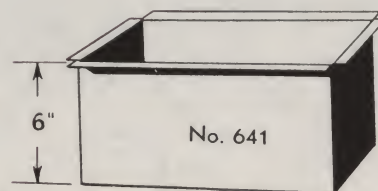


No. 563-

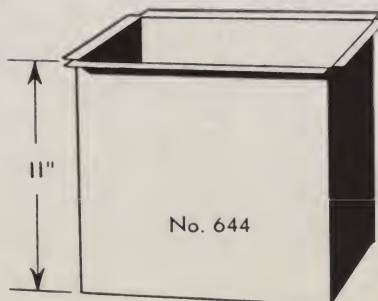
FLOOR REGISTER BOXES



No. 642



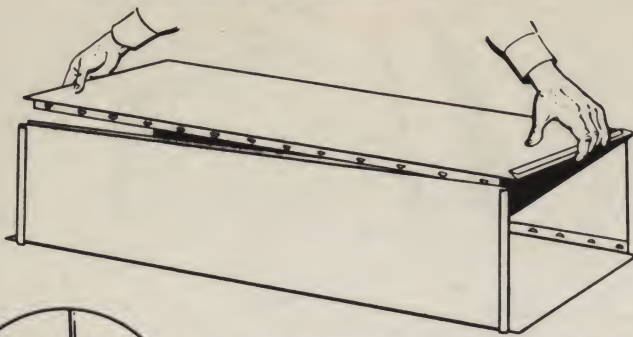
No. 641



No. 644

Register Size	Collar Size
2-1/4 x 12	4-5"
2-1/4 x 14	4-5"
4 x 10	4-5-6"
4 x 12	7"
4 x 14	8"
6 x 10	6"
6 x 12	7"
6 x 14	8"
8 x 10	8"
9 x 12	9"
10 x 12	10"
12 x 14	12"
14 x 16	14"

RECTANGULAR DUCTS

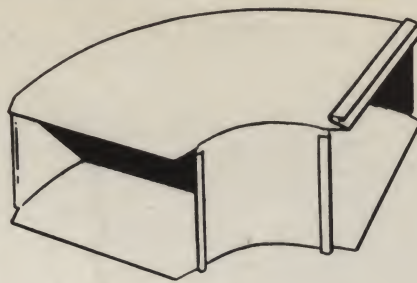


No. 510 Rectangular Duct 16-32-60 Inch Lengths

This combined snaplock and drive clip assembly provides rigid and quick installation.

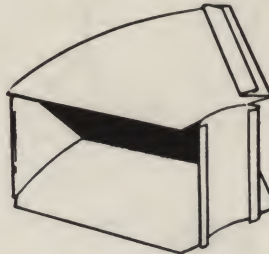
Drive Clips Furnished with Duct at no Extra Charge

ELBOWS AND ANGLES

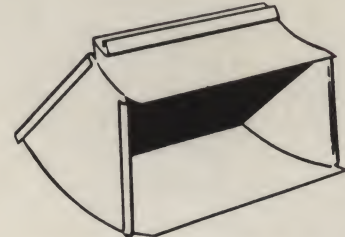


508

90° ELBOW

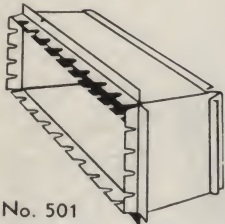


507 — 45° ANGLE

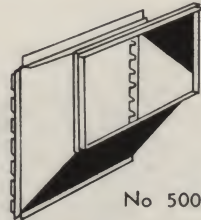


506 — 45° ANGLE

STARTING COLLARS

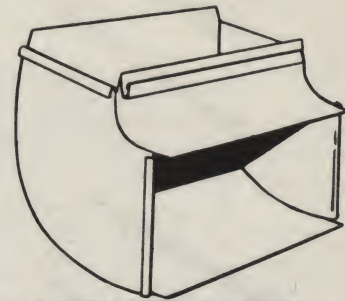


No. 501



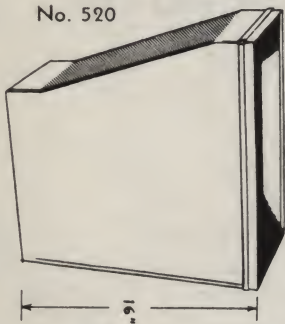
No. 500

505 — 90° ELBOW



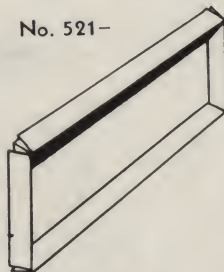
REDUCERS

No. 520

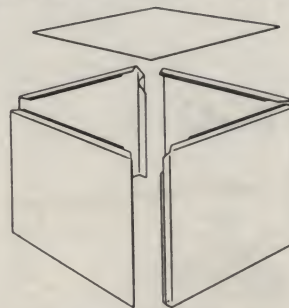


END CAPS

No. 521—



UNIVERSAL ADJUSTABLE PLENUM ASSEMBLY



Avoid delay of fabricating special size plenums with low inventory of component sides and tops. Designed for immediate installation by trimming sides and top* to correct dimensions without affecting lock connection. Universal plenums are simple to assemble and install. Basic sizes of sides and tops shown in price list.

*Note: Trim top 1/4" smaller than required dimension of plenum.

	No.	Size	Pack
Sides	SP-1	14 - 1/8 x 34	as
	SP-2	17 - 1/8 x 34	order
	SP-3	20 - 1/8 x 34	requires
	SP-4	23 - 1/8 x 34	size
	SP-5	26 - 1/8 x 34	shown on
	SP-6	30 - 1/8 x 34	ea. piece
Tops	TP-1	14 x 14	as
	TP-2	17 x 17	order
	TP-3	20 x 20	requires
	TP-4	23 x 23	size
	TP-5	26 x 26	shown on
	TP-6	30 x 30	ea. piece

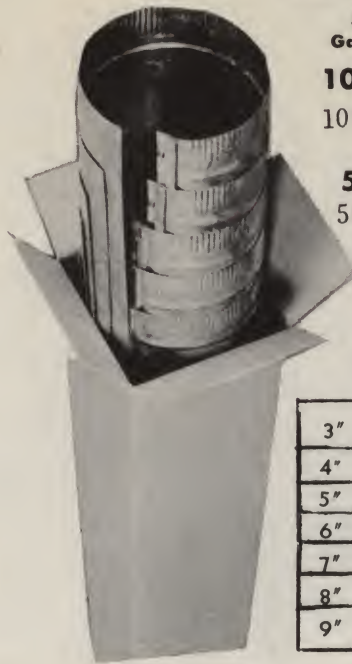
510

500	...
501	...
505	....
506	....
507	....
508	....
520	...
521	....

Size

4 x 8"
6 x 8"
8 x 8"
10 x 8"
12 x 8"
14 x 8"
16 x 8"
18 x 8"
20 x 8"
22 x 8"
24 x 8"
26 x 8"

ROUND PIPE



30
Gauge **SNAPLOCK**
10 foot lengths **DIAMETER**

100 ft. to carton 4 inch
5 inch
6 inch
7 inch
8 inch

5 foot lengths
50 ft. to carton

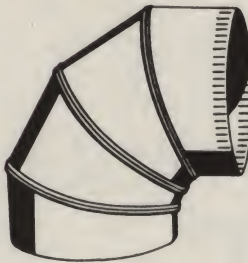
**SAVES STORAGE AND
SHIPPING SPACE .**

24" LENGTHS

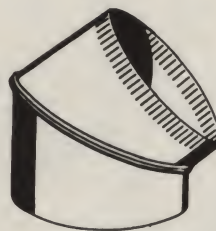
24 Galv. 26 Galv. 30 Galv.

	24 Galv.	26 Galv.	30 Galv.
3"		✓	✓
4"		✓	✓
5"		✓	✓
6"	✓	✓	✓
7"	✓		✓
8"	✓		✓
9"	✓		✓

90° ADJUSTABLE ELBOWS



45° ADJUSTABLE ANGLES



SIZES

30 Ga. Galv. Angle, 45°
30 Ga. Galv. Elbow, 90°

3" THRU 12"

26 Ga. Galv. Angle, 45°
26 Ga. Galv. Elbow, 90°

3" THRU 24"

24 Ga. Galv. Angle, 45°
24 Ga. Galv. Angle, 60°
24 Ga. Galv. Elbow, 90°

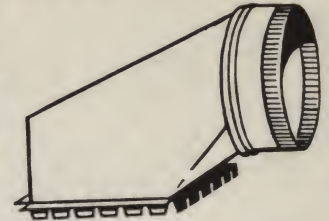
3" THRU 12"

Elbows— 3" thru 9" packed 12 per carton
10" and 12" strapped 12 per bundle
Angles— 4" thru 9" packed 24 per carton
10" and 12" strapped 24 per bundle

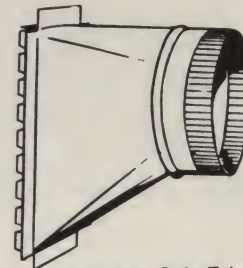
PERIMETER FITTINGS TAKE-OFFS



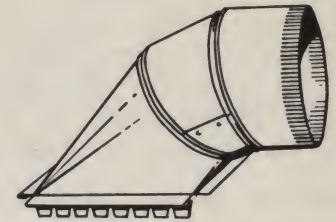
No. 582 Top Take-off
Zero Clearance



No. 583 Top Take-off
Raised Collar 1-1/4"



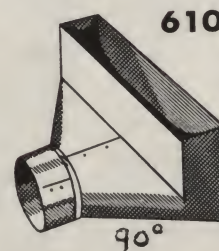
No. 581 Side Take-off



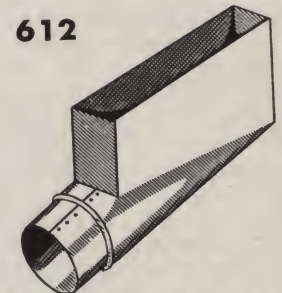
585 Adjustable Takeoff for
Top or Side installation

Take off Size	Collar Size
4 x 6 1/2"	4"
5 x 7"	5"
6 x 8"	6"
7 x 9"	7"
7 x 10"	8"

FLOOR REGISTER BOOTS



610

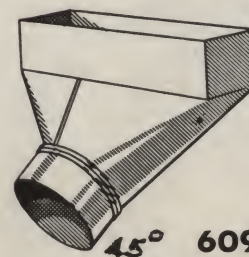


612



UNIVERSAL

608

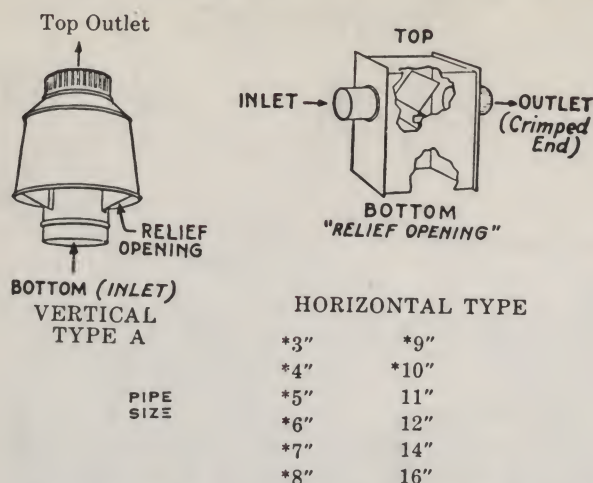


45° 609

When ordering, specify left, center or right

Register Size	Collar Size
2-1/4 x 10	4-5"
2-1/4 x 12	4-5-6"
2-1/4 x 14	4-5-6"
2-1/4 x 14	7-8"
4 x 10	4-5-6"
4 x 12	4-5-6"
4 x 14	4-5-6"
4 x 14	7-8"
6 x 10	6"
6 x 12	7"
6 x 14	8"

DRAFT HOODS (Back draft diverters)



The sizes marked herein by an * are certified for listing by the American Gas Association Testing Laboratory.

Damper Section in Tee Joint — Five Standard Sizes



SIZE	BLUED FINISH Cat. No.	SHIPPING WEIGHT Lbs.
3"	B34TJ03	¾
4"	B34TJ04	1
5"	B34TJ05	1 4/10
6"	B34TJ06	2 1/10
7"	B34TJ07	3.7/10

Draft Regulators with Tee Joint are individually packaged.

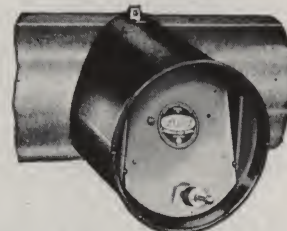
SHUR-FLO The NEW combination INDUCER and DRAFT REGULATOR that inspirates flue draft and regulates excess draft.

DRAFT INDUCER with FLUE PIPE
—NO DRAFT REGULATOR—for GAS FIRED EQUIPMENT.



CAT. NO.	SHIPPING WT.
SF- 4X	4¾
SF- 5X	5½
SF- 6X	5½
SF- 7X	5¾
SF- 8X	6½
SF- 9X	7½
SF-10X	7½

Type M Field Standard Barometric Draft Controls



6" M (for 5" & 6" pipe)
8" M (for 7" & 8" pipe)
9" M (for 8" & 9" pipe)
10" M (for 9" & 10" pipe) + MG2
12" M (for 11" & 12" pipe) + MG2
14" M (for 13" & 14" pipe) + MG2
16" M (for 15" & 16" pipe) + MG2
18" M (for 17" & 18" pipe) + MG2
20" M (for 19" to 21" pipe) + MG2
24" M (for 22" to 25" pipe) + MG2

QUICKDRAFT DRAFT CREATOR

Now you can assure your customers against trouble with condensation on gas-fired heating plants—puffing, sooting and pulsating on oil burning equipment—smoking, puffing and clogging on coal furnaces—common difficulties caused by faulty or inadequate draft.

Short chimneys used in today's one-story and basementless homes do not provide sufficient draft to support full combustion and carry off all troublesome combustion products. Popular outside chimneys require longer to heat up and establish necessary draft. Long runs and els in smoke pipes and angles in chimneys cut down draft.



Residential models for smoke outlet diameters 6, 7, 8, 9 and 10 inches.

quickdraft overcomes these faults immediately and effectively. It creates full draft when firing begins and drives combustion products up the chimney. It operates through the firing period but does not "build up" excessive draft. **quickdraft** places no obstructions in the smoke pipe.

Simple, fool-proof, built for long service, **quickdraft** is reasonably priced . . . consumes no more current than a lamp bulb . . . and **quickdraft** is as easy to install as a length of smoke pipe which it replaces.

MODEL NO.	DESCRIPTION	SHIPPING WT. LBS.
Q-6	QUICKDRAFT, standard — Diameter: 6 in. Overall length: 17 in. Motor: 115 v., 60 cycle, 100 watt, 1.25 amp., 3,220 r.p.m. No. 50749 Blower.	14
Q-7	QUICKDRAFT, standard — Diameter: 7 in. Overall length: 17 in. Motor: 115 v., 60 cycle, 100 watt, 1.25 amp., 3,220 r.p.m. No. 50749 Blower.	15½
Q-8	QUICKDRAFT, standard — Diameter: 8 in. Overall length: 21 in. Motor: 115 v., 60 cycle, 165 watt, 2.75 amp., 1,710 r.p.m. No. 710 Air Rotor.	27

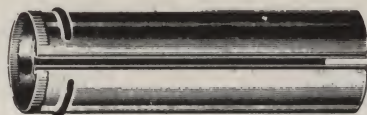
MODEL NO.	DESCRIPTION	SHIPPING WT. LBS.
Q-9	QUICKDRAFT, standard — Diameter: 9 in. Overall length: 22 in. Motor: 115 v., 60 cycle, 165 watt, 2.75 amp., 1,660 r.p.m. No. 729 Air Rotor.	27
Q-10	QUICKDRAFT, standard — Diameter: 10 in. Overall length: 22 in. Motor: 115 v., 60 cycle, 165 watt, 2.75 amp., 1,660 r.p.m. No. 729 Air Rotor.	27½

SELECTION OF SIZE

As a general rule, a QUICKDRAFT of the same size as the smoke pipe should be installed. However, QUICKDRAFT should not exhaust into a flue of *free area* less than 90% of the free area of the QUICKDRAFT used.

SQUARE INCH AREA OF STANDARD MODELS		
Q-6—28¾ sq. in.	Q-7—38½ sq. in.	Q-8—50¼ sq. in.
Q-9—63½ sq. in.	Q-10—78½ sq. in.	

Blue LOCK JOINT Stove Pipe



Regular Joints are 24" long.
Half Joints cost 1/2 price of 24" Joints plus \$2.00
per 100 Joints. Taper Joints cost \$2.00 per 100
Joints over price of diameter of large end.

Blue Steel		28 Ga.	30 Ga.	Packing
Size	Wt. Per 100	Wt. Per 100		
3"	110 lb.	88 lb.	25 Joints Per Carton	
4"	140 lb.	112 lb.		
5"	173 lb.	138 lb.		
6"	205 lb.	164 lb.		
7"	238 lb.	191 lb.		

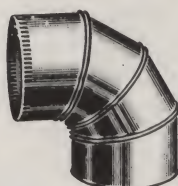
Stove Pipe Elbows

1-Pc. Corrugated



28 Ga.		30 Ga.		12 Per Carton
	Wt.		Wt.	
	Per Ctn.		Per Ctn.	
3"	5½ lb.	4½ lb.		
4"	9 lb.	7 lb.		
5"	12 lb.	10 lb.		
6"	16 lb.	13 lb.		
7"	21 lb.	17 lb.		

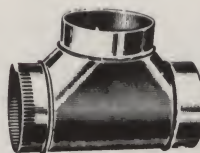
4-Pc. Adjustable



28 Gauge		Blue Steel	
	Wt.	Per Ctn.	
3"	4 lb.		12
4"	7 lb.		Per
5"	9 lb.		Carton
6"	12 lb.		
7"	15 lb.		

Blue Airflo Tee-Joints

28 Gauge Blue Steel



	Wt. Per Ctn.	12 Per Carton
3" x 3" x 3"	8 lb.	
4" x 4" x 4"	12 lb.	
5" x 5" x 5"	13 lb.	
6" x 6" x 6"	17 lb.	
7" x 7" x 7"	22 lb.	

Blue Stove Pipe Reducers



	Wt. Per Ctn.	12 Per Carton
Oval 7" to 6"	7 lb.	
Round 7" to 6"	9 lb.	

Blue Round Flue Reducers



6" to 3"	5 lb.	12 Per Carton
6" to 4"	5 lb.	
6" to 5"	5 lb.	
7" to 6"	5 lb.	

Galv. Adjustable Flue Thimbles



	4" Deep	6" Deep	12 Per Carton
	Wt. Per 100	Wt. Per 100	
5"-6"-7"	60 lb.	85 lb.	
7"-8"-9"	75 lb.	100 lb.	

DAMPER REGULATOR SETS



JIFFY DAMPER REGULATOR SET

SET No. 7 (For dampers up to 10")
Consists of one 1/4" Jiffy
Regulator; one set of Jiffy
Bearings; necessary rivets.

Jiffy Damper Regulator Set

DIAL DAMPER REGULATOR SETS



SET No. 145"
(For dampers up to 10")
Consists of one 1/4" Dial
Regulator; one 1/4" Spring-loc
round end Bearing; one 1/4"
Square end Bearing; necessary
screws and rivets.

SET No. 195

Dial Damper Regulator Set (For dampers up to 20")
Consists of one 3/8" Dial Regulator; one 3/8" Spring-loc round
end Bearing; one 3/8" square end Bearing; necessary screws

UNXLD DAMPER QUADRANT SETS

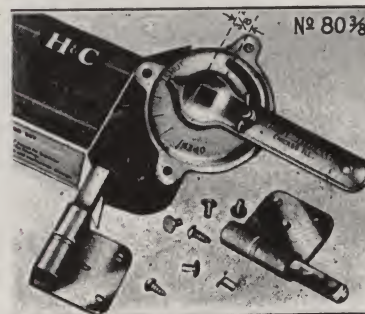


SET No. 38
(For dampers up to 20")
Consists of one 3/8" Unxld
Quadrant; one set of 3/8" Bearings
necessary screws and rivets.

SET No. 12

Unxld Damper Quadrant Set (For dampers up to 30")
Consists of one 1/2" Unxld
Quadrant; one set of 1/2" Bearings; necessary screws and rivets..

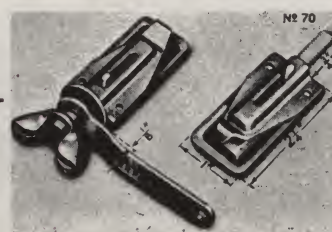
No. 80 3/8 SET WITH INDICATING DIAL



LINE DISK TYPE Damper-Regulator

Complete Set
(3/8" Bearing)
With Solid End Bearing

NO. 70 SET (WITHOUT DIAL)—5/16"



Consists of two identical
threaded bearings with re-
tractable bearing bolt. It is
a "one blow set."

DAMPER CLIP AND TIP NO-RIVET TYPE



No. 101 Damper Clip
No. 102 Damper Tip

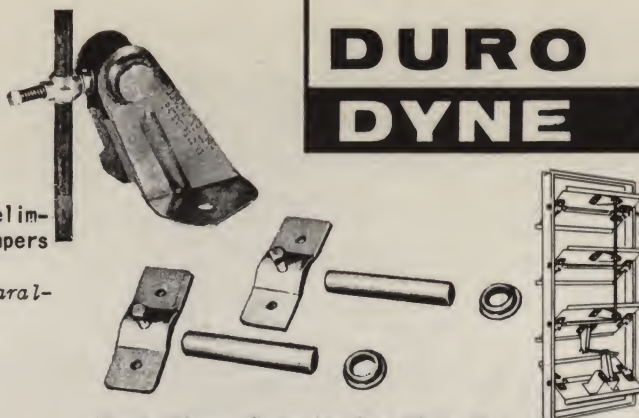
BLADE KITS

MULTI-BLADE DAMPER HARDWARE

The "Neva-Bind" feature on the bracket (BKP-8) virtually eliminates costly damper binding. Even inaccurately built dampers WORK FREELY THE FIRST TIME.

A Blade Kit contains hardware for one complete blade of a parallel multiblade damper.

DURO DYNE

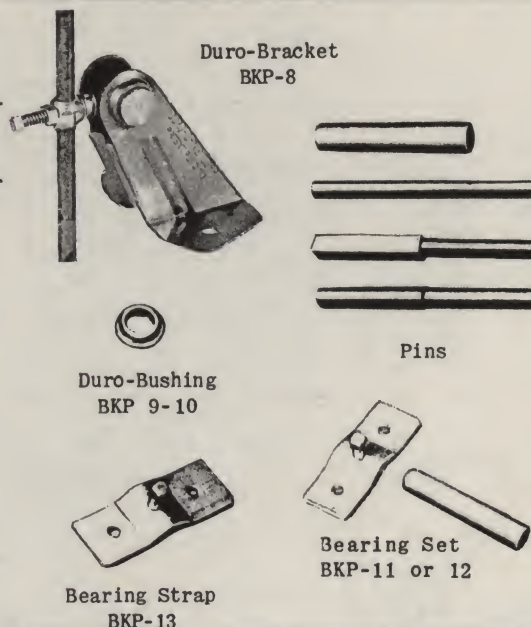


(Parts Shown Comprise One Blade Kit)

Description	Code No.	Packing*	Trade Price
DURO BLADE KIT			
Blade Kit (7/16" Bearings)	BK-1	100	\$1.00ea
Blade Kit (1/2" Bearings)	BK-2	100	1.05 ea

BLADE KIT PARTS AND ACCESSORIES

Duro Bracket	BKP-8	100	.40 ea
Bushing 7/16 I.D.	BKP-9	200	.12 ea
Bushing 1/2 I.D.	BKP-10	200	.14 ea
B.B. Bushing 7/16 I.D.	BKP-14	---	.35 ea
Bearing 7/16 x 2 1/2"	BKP-11	100	.20 ea
Bearing 1/2 x 2 1/2"	BKP-12	100	.22 ea
Bearing Strap	BKP-13	100	.13 ea
DURO PINS			
7/16 x 2 1/2"	BKP-1	100	.09 ea
1/2 dia. x 2 1/2" long	BKP-5	100	.11 ea
7/16" x 6" long	BKP-2	100	.14 ea
1/2" x 6" long	BKP-6	100	.16 ea
ADAPTER PINS			
7/16 dia. to 1/2 dia. x 6"	BKP-3	50	.55 ea
7/16 dia. to 1/2 sq. x 6"	BKP-4	50	.55 ea
1/2 dia. to 1/2 sq. x 6"	BKP-7	50	.55 ea



Build accurate opposed action dampers easier than ever before possible using the "OPAX" Damper Linkage Set which comes complete with linkage rod.

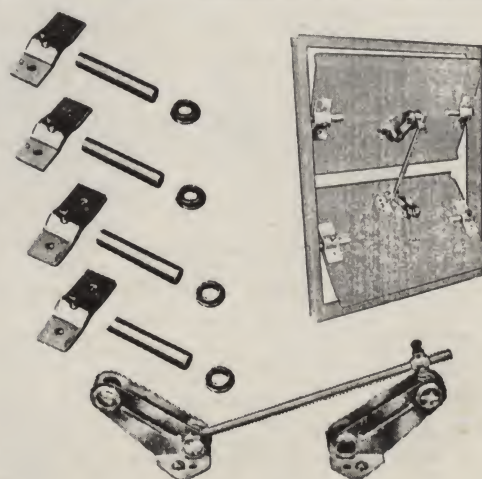
"OPAX" BLADE KITS

COMPLETE HARDWARE FOR TWO OPPOSED BLADES

Description	Code No.	Packing*	Trade Price
Opax Blade Kit 7/16" Bearings	BK0-3	50	\$2.00 ea
Opax Blade Kit 1/2" Bearings	BK0-4	50	2.10 ea

PARTS

Description	Code No.	Packing*	Trade Price
"Opax" Linkage Set	BKP-20	100	.80 set
1/4" Rod Coupling	BKP-21	---	.30 ea

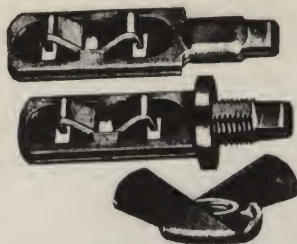


"OPAX" Blade Kit
Complete Hardware for 2 blades



Additional parts to complete damper, listed above under blade kit parts & accessories.

E - Z - ON SNAP-TITE DESIGN



Simply insert the head piece through one hole and slide the end with the Snap-tite tail piece over the other hole and it automatically snaps through the hole and LOCKS, free of rattle.

PREFABRICATED DAMPERS

For greatest economy. Metal **JD Series** is of sufficient gauge to be rigid using one bearing only. CONSISTS OF DAMPER PLATE WITH $\frac{1}{4}$ " SQUARE END BEARING, WASHER, HANDLE AND WING NUT.

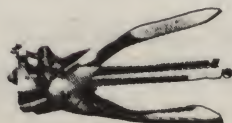
Pipe	4"	JD-4
Size	5"	JD-5
	6"	JD-6



FLEXIBLE DUCT CONNECTOR.



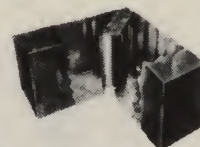
Code No.	Description	Ft./Ctn.
MFC-6-100	Canvas-26 ga.	100 ft.
EFC-50	Canvas-Galv.	50 ft.
EFC-100	Canvas-Galv.	100 ft.
EFA-50	Asbestos-Galv.	50 ft.
EFA-100	Asbestos-Galv.	100 ft.
DFC-6	6" Canvas only	100 ft.
DFC-10	10" Canvas only	100 ft.



Duro Stapler DS-1 for closing seams
Staples DSP-1 (5000 per box)

DURO - VANE - RAIL

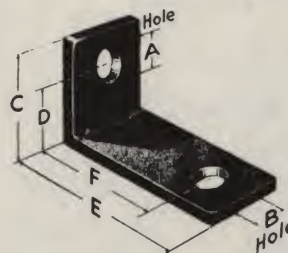
For the Efficient Assembly
of Air Turning Vanes



VR-1 Vane Rail\$.20 per ft.
Packed in bundles of 200 ft. (25
eight foot lengths, with chisel).

Gross Wt.—Approx. 86 lbs.

CASING CLIPS



Single
Rivet
Type

No.	Size Holes		C	D	E	F
	A	B				
6	.250	.156	$\frac{5}{8}$	$\frac{7}{16}$	$\frac{1}{8}$	$\frac{3}{4}$
8	.312	.206	$\frac{5}{8}$	$\frac{7}{16}$	$\frac{1}{8}$	$\frac{1}{2}$

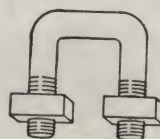
No. 91 H & C FURNACE SAFETY CHAIN



Sheradized
non-rusting

Size	Lbs.
100 ft. boxes	2
500 ft. reels	13

DAMPER ROD CLIPS

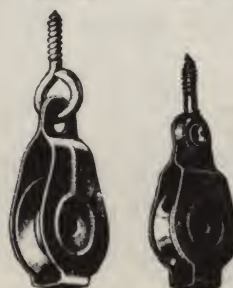


Zinc Plated

For $\frac{3}{8}$ " Square Rod....PKP-25
For $\frac{1}{2}$ " Square Rod....PKP-26

No. 10

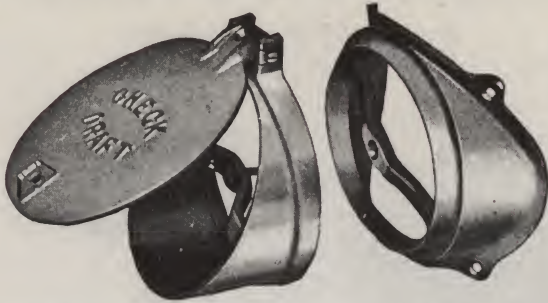
No. 11



STEEL
FURNACE
PULLEYS

(1 $\frac{1}{4}$ " Wheel)

CHECK DRAFT DAMPERS, FURNACE, ADJUSTABLE



Adjustable so that it can be made to fit any position.

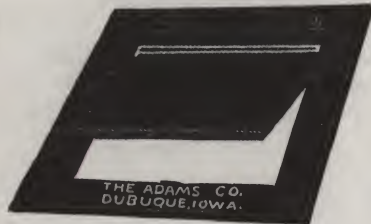
No. 488 8" pipe,
No. 489 9" pipe,

ASH DOORS & FRAMES



No. 2 8"x8"
No. 2 8"x10"
No. 2 10"x12"
No. 2 12"x12"
No. 2 16"x20"

ASH DUMPS (Single Acting)



NO. OUTSIDE INSIDE
2 10 x 10 7 1/2 x 7 1/2
3 8 x 8 5 1/2 x 5 1/2

FLUE THIMBLES (Cast Iron)

Size
6"
7"
8"
9"
10"
12"



No. 2 FURNACE CHECK DAMPER



6 & 7 in. Size Pipe
8 & 9 in. Size Pipe
10 & 12 in. Size Pipe

STOVE PIPE WIRE



No. 18 Annealed stove pipe—12 pounds to a stone.
Each stone wrapped separately. Black or Galvanized.

STOVE PIPE DAMPERS



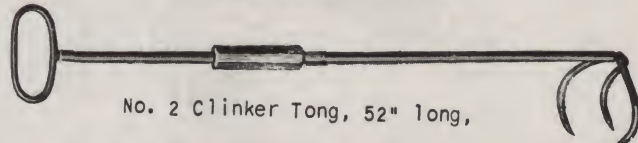
8 inch
9 inch
10 inch
12 inch

HEAVY CAST IRON SMOKE PIPE FURNACE DAMPERS



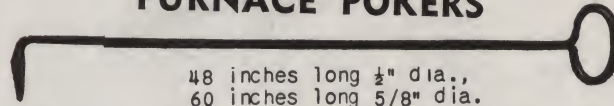
Weight
7 inch 2 1/2 Lbs.
8 inch 2 3/4 Lbs.
9 inch 3 Lbs.
10 inch 3 1/4 Lbs.
12 inch 6 Lbs.

CLINKER TONG



No. 2 Clinker Tong, 52" long,

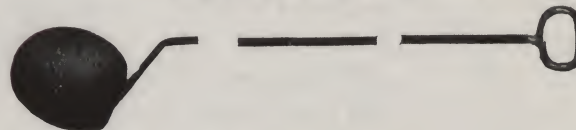
FURNACE POKERS



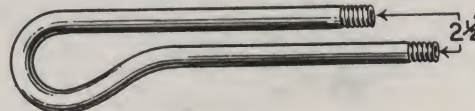
48 inches long 1/2" dia.,
60 inches long 5/8" dia.

These pokers are strong and well made. The point is long and narrow, but very stiff so that it can be used in any shape grate.

ADAMS ASH REMOVER FOR STOKERS



WATER COILS



2 1/2" centers made of 1" pipe. Bottom end 1" longer than top. Also furnished with even ends if desired.

18" Pot. 26" Pot.
20" Pot. 28" Pot.
22" Pot. 30" Pot.
24" Pot.

No. 100 TIN HANDLE ACID OR DOPE BRUSHES



Selected Black Hair or Bristle, Tin ferrules.
1 gross in box.

No. 2 — 1/2" wide x 5" handle.

ROUND FURNACE BRUSHES WITH HANDLES

Rustproof Wire

Brush No.	Brush Dia.	Length of Handle
S-441-B	4"	4 ft.
S-441-C	4 1/2"	4 ft.
S-441-D	5"	4 ft.
S-442-B	4"	5 ft.
S-442-C	4 1/2"	5 ft.
S-442-D	5"	5 ft.



ROUND FLUE BRUSHES — Double Spiral

1/4" threaded Nipples

No. S-433—Silver Bright Rustproof Wire

No. B-433—Black Oil Tempered Wire

Flue Size	Brush Dia.	Brush Length
1"	3/4"	4 1/2"
1 1/4"	1"	4 1/2"
1 1/2"	1 1/4"	4 1/2"
1 3/4"	1 1/2"	4 1/2"
2"	1 3/4"	4 1/2"
2 1/4"	2"	4 1/2"
2 1/2"	2 1/4"	4 1/2"
2 3/4"	2 1/2"	4 1/2"
3"	2 3/4"	4 1/2"
3 1/4"	3"	4 1/2"
3 1/2"	3 1/4"	4 1/2"
3 3/4"	3 1/2"	4 1/2"
4"	3 3/4"	4 1/2"



ROUND FLUE BRUSHES — Single Spiral

No. S-432—Silver Bright Rustproof Wire

No. B-432—Black Oil Tempered Wire

Flue Size	Brush Dia.	Brush Length
1"	3/4"	4 1/2"
1 1/4"	1"	4 1/2"
1 1/2"	1 1/4"	4 1/2"
1 3/4"	1 1/2"	4 1/2"
2"	1 3/4"	4 1/2"
2 1/4"	2"	4 1/2"
2 1/2"	2 1/4"	4 1/2"

DOUBLE STEM BOILER BRUSHES

Silver Bright Rustproof Wire

1/4" threaded nipples

S-393 — 1 3/4" x 4" x 5 1/2"

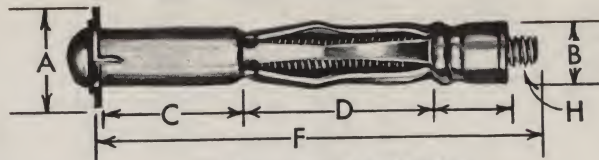
S-394 — 2 1/2" x 6" x 6 1/2"

S-395 — 3 1/2" x 6" x 6 1/2"



MOLLY SCREW ANCHORS

FASTENS SECURELY



STANDARD PACKAGING

Bolt Series	Head Diam.	Body Diam.	Sleeve Length	Expander Length	Nut Length	Overall Length	Bolt Size	Max. Exp.
	A	B	C	D	E	F	H	
†4-S	1/2	1/4	3/8	3/4	1/4	1 1/2	6-32	13/16
†4-L	1/2	1/4	7/8	3/4	1/4	1 7/8	6-32	13/16
†4-XL	1/2	1/4	1 1/2	3/4	1/4	2 1/2	6-32	13/16
6-S	5/8	3/8	3/8	1 1/8	3/8	2 1/4	10-24	1 1/8
6-L	5/8	3/8	7/8	1 1/8	3/8	2 3/4	10-24	1 1/8
6-XL	5/8	3/8	1 1/2	1 1/8	3/8	3 1/2	10-24	1 1/8
8-S	11-16	7/16	3/8	1 1/8	3/8	2 1/4	1/4-20	1 1/8
8-L	11-16	7/16	7/8	1 1/8	3/8	2 3/4	1/4-20	1 1/8
8-XL	11-16	7/16	1 1/2	1 1/8	3/8	3 1/2	1/4-20	1 1/8

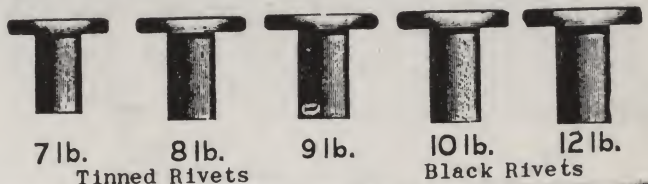
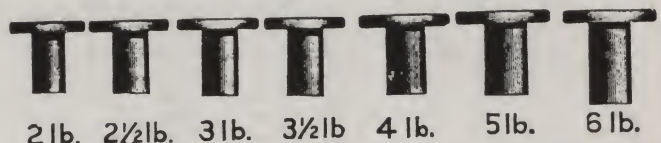
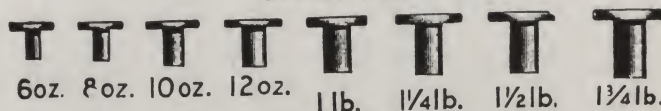
† Packed 100 Per Box—All Others 50

MOLLY FASTENS SECURELY ANYTHING TO BE FASTENED TO WALL, FLOOR OR CEILING

Sinks · Soap Dishes · Towel Racks · Mirrors · All
Curtain, Drapery and Venetian Blind Fixtures · Stair
Hand Rails · Wall Cabinets in Kitchen, Bathroom, etc.
Shelving · Tool Racks · Fuse Boxes · Awnings
Electric Fan Brackets · Door Chimes · Heavy Pictures
Wall Clocks

TOWNSEND RIVETS

Actual Size



STOVE BOLTS

Diameter

Round Head

3/16 1/4

Flat Head

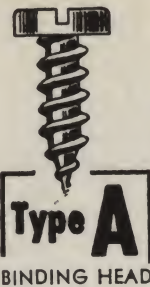
Length

1/2-inch.
3/4-inch.
1-inch.
1-1/4-inch.
1-1/2-inch.
1-3/4-inch.
2-inch.
2-1/4-inch.
2-1/2-inch.
3-inch.



PARKER-KALON Hardened Self-tapping Screws

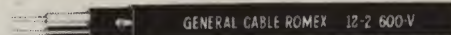
Screw Diam. ①	Screw Length	Styles of Heads Available ②	PACKAGED		BULK	
			Plain Steel Finish	Standard Plated Finish ③	Plain Steel Finish	Standard Plated Finish ③
4	1/4"	FROPT--	\$.98	\$1.04	\$2.20	\$2.35
4	3/8"	FROPT--	1.00	1.06	2.30	2.45
4	1/2"	FROPT--	1.02	1.08	2.40	2.60
4	5/8"	FROP--	1.06	1.14	2.50	2.75
4	3/4"	FROP--	1.12	1.22	2.60	2.90
6	1/4"	FROPTH	1.00	1.06	2.30	2.50
6	3/8"	FROPTH	1.02	1.12	2.40	2.65
6	1/2"	FROPTH	1.06	1.16	2.50	2.80
6	5/8"	FROP--	1.10	1.22	2.60	2.95
6	3/4"	FROP--	1.14	1.30	2.70	3.10
6	7/8"	FROP--	1.18	1.36	2.80	3.25
6	1"	FROP--	1.22	1.40	2.90	3.40
7	3/8"	FROPT--	1.06	1.22	2.50	2.85
7	1/2"	FROPT--	1.10	1.26	2.60	3.00
7	5/8"	FROP--	1.14	1.32	2.70	3.15
7	3/4"	FROP--	1.16	1.36	2.80	3.30
7	7/8"	FROP--	1.20	1.40	2.90	3.45
7	1"	FROP--	1.24	1.48	3.00	3.60
8	1/4"	-R-P-H	1.14	1.28	2.75	3.10
8	3/8"	FROPTH	1.14	1.28	2.75	3.10
8	1/2"	FROPTH	1.22	1.38	2.90	3.30
8	5/8"	FROPTH	1.28	1.46	3.05	3.55
8	3/4"	FROPTH	1.34	1.54	3.25	3.80
8	7/8"	FROP--	1.40	1.66	3.45	4.05
8	1"	FROP--	1.52	1.78	3.65	4.35
8	1 1/4"	FROP--	1.66	1.96	4.00	4.85
8	1 1/2"	FROP--	1.78	2.14	4.35	5.30
10	3/8"	FROPTH	1.34	1.56	3.20	3.80
10	1/2"	FROPTH	1.40	1.62	3.35	4.00
10	5/8"	FROPTH	1.46	1.70	3.50	4.20
10	3/4"	FROPTH	1.52	1.82	3.70	4.50
10	7/8"	FROP--	1.58	1.92	3.90	4.80
10	1"	FROP--	1.68	2.02	4.10	5.10
10	1 1/4"	FROP--	2.00	2.40	4.90	6.00
10	1 1/2"	FROP--	2.16	2.64	5.30	6.60
10	1 3/4"	FROP--	2.32	2.86	5.70	7.20
10	2"	FROP--	2.46	3.06	6.10	7.80
12	1/2"	-R-P--	1.70	2.02	4.15	5.05
12	5/8"	-R-P--	1.80	2.16	4.45	5.45
12	3/4"	FR-P--	1.90	2.32	4.75	5.85
12	7/8"	-R-P--	2.02	2.46	5.05	6.25
12	1"	FR-P--	2.16	2.64	5.40	6.75
12	1 1/4"	FR-P--	2.40	2.98	6.00	7.55
12	1 1/2"	FR-P--	2.66	3.30	6.60	8.40
14	1/2"	-R-P-H	2.00	2.42	5.00	6.20
14	5/8"	-R-P-H	2.14	2.62	5.40	6.75
14	3/4"	FROP-H	2.28	2.84	5.80	7.30
14	7/8"	FROP-H	2.42	3.06	6.20	7.90
14	1"	FROP-H	2.58	3.26	6.60	8.50
14	1 1/4"	FROP--	2.90	3.68	7.40	9.50
14	1 1/2"	FR-P--	3.22	4.10	8.20	10.60
14	1 3/4"	FR-P--	3.50	4.52	9.00	11.70
14	2"	FR-P--	3.76	4.92	9.80	12.85



NOW YOU CAN SAVE MONEY BY
BUYING SHEET METAL SCREWS IN
BULK. SEE OUR PRICE LIST.

"ROMEX"-T NON-METALLIC SHEATHED CABLE ORIGINAL PRODUCT OF GENERAL CABLE CO.

THERMOPLASTIC INSULATED CONDUCTORS - GRAY FINISH OVERALL
TYPE "T"



WRAPPED IN
STRONG KRAFT
PAPER -

SOLID - WITHOUT GROUND WIRE

No.	Lbs. Per 1000 Ft.	Coil Length
14-2	76	250 Ft.
14-3	117	250 Ft.
12-2	88	250 Ft.
12-3	150	250 Ft.

A.B.C. STEEL ARMORED BUSHED CABLE (BX)



BX Armored Cable is flame-retardant and moisture-resistant - flexible and easy to handle. S-shaped paper wrap (in place of ordinary spiral wrap) is quicker and easier to remove and gives added protection at termination of the armor, since a bushing is inserted between armor and paper wrap before paper is torn off. Furnished with anti-short bushing.

No.	Type	Lbs. per 1000 ft.	Coil Length
-----	------	----------------------	----------------

TWO CONDUCTOR

14-2	Solid	190	250 Ft.
12-2	Solid	218	250 Ft.
10-2	Solid	314	250 Ft.

THREE CONDUCTOR

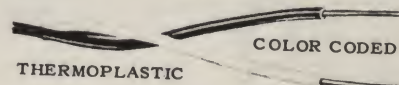
14-3	Solid	220	250 Ft.
12-3	Solid	262	250 Ft.

LOW VOLTAGE WIRES - THERMOSTAT



No.	Type
18-2	Cotton Insul.
18-3	Cotton Insul.
18-4	Cotton Insul.

No.	Type
18-2	Plastic
18-3	Plastic
18-4	Plastic



SQUEEZE TYPE CONNECTORS



STAPLES



Insulated staples for thermostat wire-100/bx.
Cable staples for #10, 12, 14 BX cable "



PARKER KALON MASONRY NAILS

(ACTUAL
SIZE
ILLUSTRATIONS)

Packed 100 in a Box



Illustrated above are the standard sizes of Masonry Nails.

Milwaukee

QUALITY ELECTRIC TOOLS

PISTOL-TYPE DRILLS

1/4" MODEL 250 "IN-LINE" HOLE-SHOOTER

2.5 amp. MILWAUKEE-BUILT MOTOR



With new "palm push grip". This handful of power is an all ball bearing, ruggedly built, top quality electric drill. Helical cut heat treated and hardened steel gears and shafts, momentary contact switch with locking button. Jacobs industrial gear-type chuck.

SPECIFICATIONS

Capacity: 1/4" in metal. Length: 8 3/4". Speed: no load, 2000 rpm; full load 1250 rpm. Net Wgt.: 3 1/2 lbs. Shp'g. Wgt.: 6 lbs.
Available for 115 Volts only. NET PRICE \$34.50

MODEL B "IN-LINE" HEAVY-DUTY HOLE-SHOOTER

MOST POWERFUL PISTOL DRILL ON THE MARKET
NEW PALM-PUSH GRIP



Puts the push where it counts—directly in line with the chuck. The easiest-to-use, most comfortable drill ever made. Less wrist fatigue—straighter holes—fewer broken twist drills. Double gear reduction... Ball and roller bearings throughout. Available in six models of various speeds.

WITH FAMOUS SPLIT-BODY DESIGN

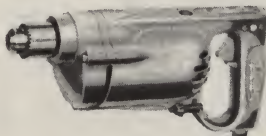
Easily removable cover allows for quick easy access to all motor parts and switch... greatly simplifies inspection, cleaning and maintenance.

SPECIFICATIONS

Model No.	Cap. in Steel	Chuck Speed (rpm)		Length Inches	Net Wt. (Lbs.)	Ship. Wt. (Lbs.)	Net Price
		No Load	Full Load				
3B	1/4"	2000	1200	9 1/2	3 1/2	6	49.50

SAW-GRIP HEAVY DUTY DRILLS

1/4" HEAVY-DUTY HOLE SHOOTERS

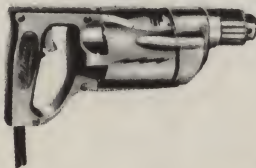


Powered for drilling at maximum capacity in metal, wood or composition materials. Well suited to handle a wide variety of application. \$ 42.50

SPECIFICATIONS

Model No.	Cap. in Steel	Chuck Speed (rpm)		Length Inches	Net Wt. (Lbs.)	Ship. Wt. (Lbs.)
		No Load	Full Load			
S-114*	1/4"	1900	1100	10 3/4	5 1/4	7

GENERAL PURPOSE DRILLS



MODEL BF-312 1/2"

For general purpose drilling. Ruggedly built and perfect for tough jobs such as drilling in concrete and heavy steel plate, etc. Double gear reduction,

NET PRICE. 54.50

SPECIFICATIONS

Model No.	Cap. in Steel	Chuck Speed (rpm)		Length Inches	Net Wt. (Lbs.)	Ship. Wt. (Lbs.)
		No Load	Full Load			
BF-312	1/2"	560	340	12 1/4	6 1/2	10

For Fast, Easy Boring Between Studding and Joists!

PLUMBERS RIGHT ANGLE DRIVE KIT



412K KIT INCLUDES - Model S-412 MILWAUKEE 1/2" Heavy-Duty Drill. Tu-Speed Right Angle Drive unit, open end wrench, chuck remover bar, auxiliary side handle, 1-1/8" Auger bit, and 2-9/16" SELF-FEED BIT for popular pipe sizes ... Available reversing, at slight extra cost. NET PRICE. 105.00

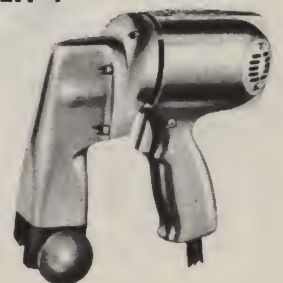
PITTSBURGH LOCK HAMMER

MODEL PLH-1

THE PERFECT TOOL FOR CLOSING PITTSBURGH LOCKS

Handles 30 to 22 Gauge Sheet Metal

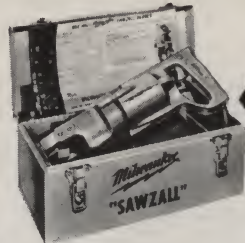
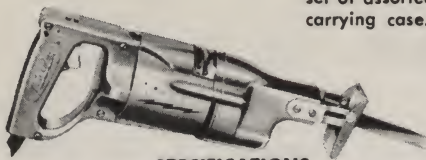
The MILWAUKEE PLH-1 Hammer speeds up and takes the work out of the only tedious, costly, and time consuming job of fabricating duct work... closing the "seam." This new MILWAUKEE tool breezes along at a speed of 20 feet per minute on commonly used gauges. Actually can save half of a man's time in making ducts and do a better job.



Net Weight.....10 lbs.
Shipping Weight13 lbs.

NET PRICE...\$137.50

MODEL 414—SAWZALL complete with sample set of assorted Sawzall blades and sturdy steel carrying case. **NET PRICE...\$94.50**



SPECIFICATIONS

Length of Stroke..... $\frac{3}{4}$ "
 Strokes Per Minute.....2250
 Overall Length..... $14\frac{1}{2}$ "
 Net Weight (lbs.)..... $6\frac{3}{4}$ lbs.
 Shipping Weight.....18 lbs.
 Tool only.....16 lbs.
 MODEL 414L SAWZALL... tool only, less case, but with set of assorted blades. **NET PRICE \$89.50**

Available for 230 Volts at \$4.00 extra.



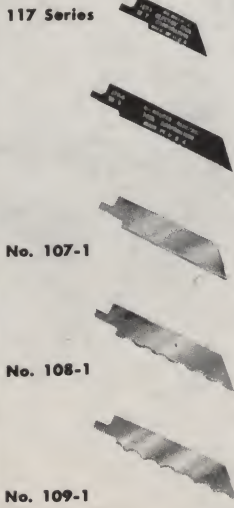
SAWZALL HEAVY-DUTY

ELECTRIC HACKSAW

DELUXE BLADES... with Exclusive "Shear-Tooth" design... Cut twice as fast... last ten times longer. Teeth are flame sharpened with positive rake angle that shears, not tears fibers... High twist and break resistance.



*Deluxe Blades



BLADE NO.	LENGTH INCHES	NO. TEETH PER INCH	RECOMMENDED FOR CUTTING	NET PRICE
ROUGHING-IN BLADES (Packed, priced and sold in boxes of 5 blades only)				
103-1	6	7	General roughing-in work in wood. Will resist embedded nails.	Pkg. of 5 \$2.90
103-2	12			Pkg. of 5 4.90
104-1	6	6	For fast general roughing-in, sawing wood... resists embedded nails.	4.50
104-2	12	6		4.50
(104-2 DELUXE BLADES Packed, priced and sold in boxes of 3 blades only)				
ALL PURPOSE BLADES (Packed, priced and sold in boxes of 10 blades only)				
106-1	$3\frac{1}{2}$	6	All woods without nails. Fiberboard, "Transite," asphalt and plaster. 12" blades for making inaccessible flush cuts in wood.	2.40
106-2	6			3.00
106-11	12			6.00
106-3	$3\frac{1}{2}$	10	Nail embedded woods. Plywood, asbestos and plaster. 12" blades for making inaccessible flush cuts in nail embedded woods.	2.40
106-4	6			3.00
106-4R	6			3.00
106-12	12			6.00
106-5	$3\frac{1}{2}$	18	Opening wooden crates and boxes. 12" blades for removing wood siding, asbestos shingles, etc.	2.40
106-6	6			3.00
106-6R	6			3.00
106-13	12			6.00
106-7	$3\frac{1}{2}$	24	Light gauge non-ferrous metals; aluminum, etc.	2.40
106-8	6			3.00
WOOD SCROLL BLADES All except 114-1 (Packed, priced and sold in boxes of 5 blades only)				
114-1	$3\frac{5}{8}$	7	Irregular contours in wood, fiberboard, asphalt and asbestos. (Packed and sold in lots of 10 blades only)	4.40
112-1	$3\frac{5}{8}$	6	Carbon Stl. { Intricate shapes and scroll cuts in wood	3.40
115-1	$3\frac{5}{8}$	6	Hi Speed Stl. { and synthetic structural materials.	4.90
120-1	$3\frac{5}{8}$	6	Hollow ground for fast finish scroll cuts in wood, decorative veneers, formica, plastics, fiberglass, etc.	4.90
METAL SCROLL BLADES (Packed, priced and sold in boxes of 10 blades only)				
116-1	$3\frac{5}{8}$	10	Irregular contours in heavy gauge metal, "Transite" and fiberboard.	6.50
116-2	$3\frac{5}{8}$	14	Irregular contours in heavy gauge metals.	6.50
HI-SPEED METAL SCROLL BLADES (Packed, priced and sold in boxes of 10 blades only)				
110-2	$2\frac{1}{2}$	18	Irregular contours in sheet metals heavier than 18 gauge.	3.40
110-3	$2\frac{1}{2}$	24	Irregular contours in sheet metals lighter than 18 gauge.	3.40
HI-SPEED METAL CUTTING BLADES (Packed, priced and sold in boxes of 10 blades only)				
117-1	$2\frac{1}{2}$	14	Metals heavier than $\frac{1}{8}$ " (Angles, bar stock, "Transite," hard rubber, fiber, etc.)	3.60
117-2	4			4.30
117-9	6			7.20
117-3	$2\frac{1}{2}$	18	Metals heavier than 18 gauge; conduit, pipe, channels, tubing, etc.	3.60
117-4	4			4.30
117-10	6			7.20
117-5	$2\frac{1}{2}$	24	Metals lighter than 18 gauge; sheet, trim and tubing.	3.60
117-6	4			4.30
117-11	6			7.20
117-7	$2\frac{1}{2}$	32	Very light gauge metals; sheet, trim and tubing.	3.60
117-8	4			4.30
KNIFE EDGE BLADES (Packed, priced and sold in boxes of 10 blades only)				
107-1	4	Knife	Rubber, sponge, leather, felt and other resilient materials.	4.00
108-1	4	Wave Edge	Corrugated cardboard, laminated fiberglass tape and sheets, paper, cork, etc.	4.00
109-1	4	Scallop Edge	Rubber, corrugated board, leather, laminated fiberglass tape and sheets, etc.	4.00

* All blades have teeth set to cut on up stroke... except on 106-4R and 106-6R which have teeth set to cut on down stroke.

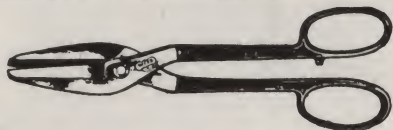
WISS SNIPS

REGULAR PATTERN OR STRAIGHT CUT



No.	Overall Length	Length of Cut	Average Weight Each
11	9½ in.	2¼ in.	¾ lb.
10	11½ in.	2½ in.	1½ bls.
9	12½ in.	3 in.	2 lbs.
8	13¾ in.	3½ in.	2½ lbs.
7	14½ in.	4 in.	3 lbs.
6½	15¾ in.	4½ in.	3¾ lbs.

COMBINATION SNIPS



Made with straight blades, but ground and shaped in such a manner that they can be used as readily for cutting curves and irregular shapes as for straight work.

No.	Overall Length	Length of Cut	Average Weight Each
19	12½ in.	3 in.	1¾ lbs.
18	13½ in.	3½ in.	2¾ lbs.
17	14½ in.	4 in.	2¾ lbs.

BULLDOG HEAVY-DUTY SNIPS



For cutting Monel Metal, Stainless Steel, Allegheny Metal, and other tough alloys. Invaluable for bench work for cutting strap iron bands, and notching. Regularly tested on 18-gauge galvanized iron.

No.	Name	Overall Length	Length of Cut	Average Weight Each
5	Bulldog	17 in.	2½ in.	3¾ lbs.

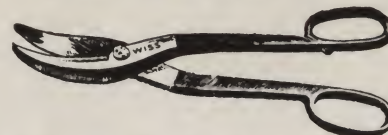
COMBINATION PATTERN SOLID STEEL BULLDOG SNIPS



A moderately priced solid steel combination pattern Bulldog Snip for heavy duty work. Will cut curves and irregular shapes in the heavier metals. Short, powerful, tempered jaws—long handles provide extra leverage.

No.	Overall Length	Length of Cut	Weight Each
A-16	16 in.	3 in.	3¾ lbs.

CURVED BLADE SNIPS



Made for those who must cut circles of fairly large radius from sheet metal. These snips are specially tempered and ground for this work and cut just as easily as straight snips.

No.	Overall Length	Length of Cut	Average Weight Each
9 C.B.	12½ in.	3 in.	2 lbs.

LIGHT METAL SNIPS



The most popular type for light metal work, by electricians, tinsmiths, plumbers, jewelers, dental workers—wherever light metal templates or patterns need to be cut. Light—strong—easily handled—made of fine tool steel, hardened and tempered. Curved blades shipped unless otherwise ordered.

No.	Overall Length	Length of Cut	Weight Each
J-7 Curved	7 in.	1¼ in.	4 oz.
J-7 Straight	7 in.	1¼ in.	4 oz.

PEXTO DOUBLE CUTTING SHEARS



Handles malleable iron, blade forged steel, hardened cutting edges, for cutting light gauge pipe. Black handles and polished head.

No.	Length overall	Weight each
2A	12¾ ins.	3

DOUBLE CUTTING SNIP



No. 55

For cutting light gauge sheet metal pipe. Exclusive overlapping lower blade ground to spear point for starting cut.

Number	Length cut	Length overall	Weight each
55	1¾ ins.	10 ins.	1½ lbs.



WISS METAL MASTER SNIPS:

No.	Overall Length	Length of Cut	Weight Each
M-1 (Cuts Left)	10 in.	1 3/8 in.	12 ozs.
M-2 (Cuts Right)	10 in.	1 3/8 in.	12 ozs.
M-3 (Cuts Straight and Combination)	10 in.	1 1/2 in.	12 ozs.
M-5 Bulldog	9 in.	1 in.	12 ozs.

RIVETING HAMMERS

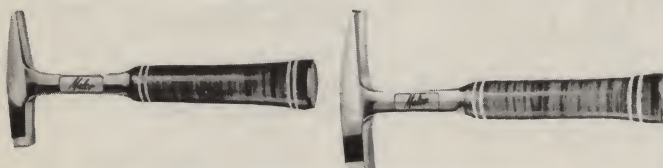


No.	2	3	4
Size face.....ins.	1	7/8	3/4
Weight each.....ozs.	16	12	8
Length head.....ins.	4 7/8	4 13/16	4 1/16

SETTING HAMMERS



No.—Square Face.....	3
Size face.....ins.	7/8
Weight each.....ozs.	12
Length head.....ins.	4 3/4



"UNBREAKABLE" TINNERS HAMMERS - Forged in one piece from tough tool steel. Shock-proof leather grip is the most comfortable and durable in all climates. (No loose heads or broken handles.)

No. RH-4 Polished Riveting Hammer, 3/4" face, 12 oz. head
No. RH-4B Industrial Blue instead of Polished

No. SH-3 Polished Setting Hammer, 7/8" face, 18 oz. head
No. SH-3B Industrial Blue instead of Polished

PEXTO HAND GROOVERS



Forged Steel—Polished Head

Number	0	2	4
Size groove.....ins.	3/8	5/16	7/32



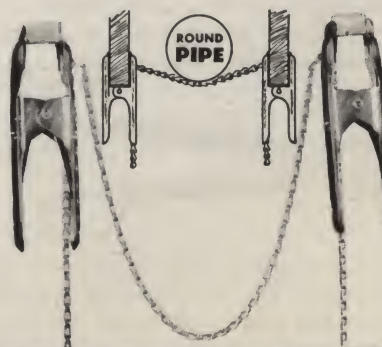
No. C-1 HAND CRIMPER - Full 20 ga. capacity - Perfect for all round, square and corrugated pipe. Demanded by both heating and downspout tradesmen. Has compound leverage with spring return action. Furnished with nonslip grips -



No. N-1 HAND NOTCHER - Compound leverage with spring return action - A fast, easy cutting notcher. Notches 31° angle 13/16" deep. Furnished with nonslip grips -



No. SL-1 SNAP-LOCK PUNCH - Compound leverage with spring return action - Forms a raised ear that stops and locks seamed edges of pipe or duct when snapped together. Capacity 20 ga. Tool sets ears in 3/8" from edge. Furnished with nonslip grips -



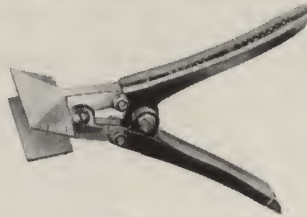
A "HELPER" IN EVERY SET - No. 2 DH Pipe & Duct Holder, set of two (2) powerful clamps and 4' of chain, holds any size or shape duct in place, either between or under joist, until it is properly secured.

HANDY SEAMER

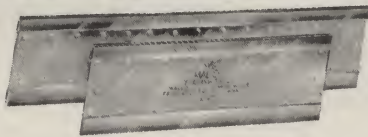


No. 793

Length of blade $3\frac{1}{2}$ inches. Length over 8 inches. Gauging range $\frac{1}{4}$ to 1 inch. Weight 1 lb. Black handles. Polished blades. Forged steel.



No. S-2 HAND SEAMER - Powerful Forged Steel jaws with compound leverage. Tool squeezes down seams without effort. Jaws $\frac{3}{4}$ " wide, seams up to $\frac{1}{4}$ " depth. Scaled depth marks on seamer jaws. Furnished with nonslip grips -



No. 12 (12") 8 No. 8 (8") FOLDING TOOLS - Sturdy Folding Tools for 24 to 30 ga. mild steel. Each tool folds both $\frac{3}{8}$ and $\frac{1}{2}$ " folds up to length of tools. Plated Tools,



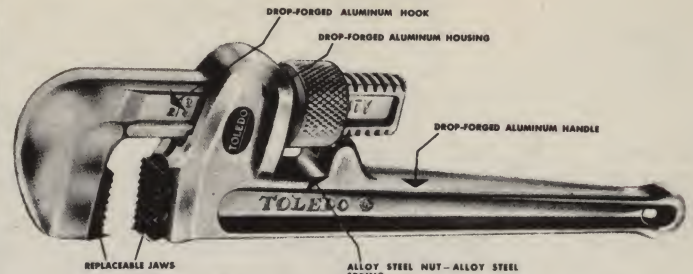
"RUGGED" SCRATCH AWLS - No. A-1 Properly tempered and shaped steel blades in tough "Tenite 2" Plastic Handles will withstand heavy pounding - may be resharpened often. Awl length - $5\frac{1}{2}$ " -- Blade length - $3\frac{1}{2}$ " -- Packed in boxes of 12 -

No. 5 Jr. WHITNEY-JENSEN



Punches and Dies $\frac{3}{32}$ ", $\frac{1}{8}$ ", $\frac{5}{32}$ ", $\frac{3}{16}$ ", $\frac{7}{32}$ ", $\frac{1}{4}$ ", and $\frac{9}{32}$ ".

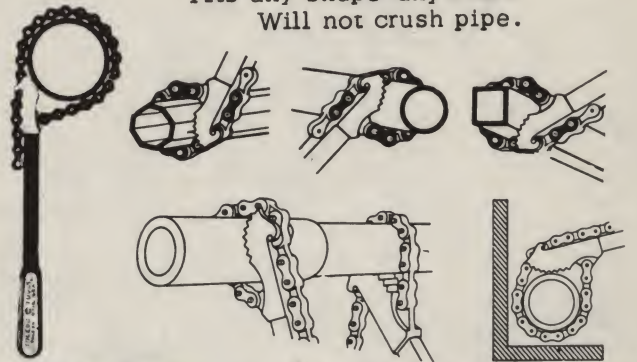
"TOLEDO" Forged Aluminum Wrenches Forged for strength.



WRENCH SIZE	FOR PIPE SIZES	Government Specification GGG-W-651 b For Type II Heavy Duty Pipe Wrenches	TOLEDO STRENGTH	TOLEDO WEIGHT
10"	$\frac{1}{8}$ " - $1\frac{1}{2}$ "	7,000 in. lb.	9,760 in. lb.	$1\frac{5}{16}$ lb.
14"	$\frac{1}{4}$ " - 2"	13,000 in. lb.	15,620 in. lb.	$1\frac{3}{4}$ lb.

"TOLEDO" Redy-Grip Chain Wrench.

Fits any shape-anywhere
Will not crush pipe.



RG-4 CHAIN WRENCH— $\frac{1}{2}$ " TO 4" CAPACITY

1 $\frac{1}{4}$ lbs.

CHALLENGER HACK SAW



STORAGE
CHAMBER
FOR
EXTRA BLADES



CUTS
COMPLETELY
DOWN TO
A BOTTOM

DURABLE—LIGHT BUT STRONG

All metal construction — tubular steel center member or "back-bone" — handle and front-end are aluminum die-castings. No parts can burn, crack, chip or break — the CHALLENGER has been through tough shake-down tests; dropped from high places, thrown hard against concrete walls — always coming through without a blemish.



CUTS SIDeways,
FLUSH AGAINST
A SURFACE

BOILER & FURNACE VACUUM CLEANER

MODEL JB 90 F WITH POWER BLOWER



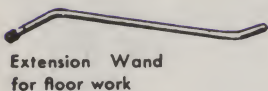
NOW YOU CAN BE PROFESSIONALLY EQUIPPED FOR TROUBLE-FREE, FAST, MORE PROFITABLE CLEANING OF EVERY TYPE OF FURNACE OR BOILER

This completely new kit includes: (1) The Never-Clog filter bag, (2) 27" Metal crevice tool, (3) Power blower nozzle of tapered rubber, (4) Handy scraper tool, (5) Flexible metal asbestos packed hose which fits into end of (6) 10' long, 1½" I.D. heavy duty vacuum cleaner hose.

TRULY PORTABLE . . . WEIGHS ONLY 30 LBS. . . . COMPACT . . . FITS INTO CAR TRUNK, BACK SEAT OR TRUCK CAB . . . CARRIES EASILY BY ONE HAND . . . CONVENIENT HANDLE . . . NO OUTSIDE BAG TO GET IN WAY OR BLOW-OUT.

Heavy duty multi-stage turbine fans scoop up stubborn soot, scale, ash and debris.

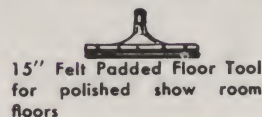
OTHER TOOLS AND ACCESSORIES



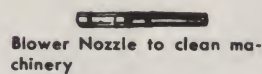
Extension Wand for floor work



15" Floor Tool for shop floors



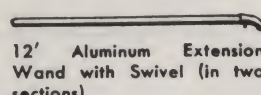
15" Felt Padded Floor Tool for polished show room floors



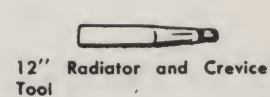
Blower Nozzle to clean machinery



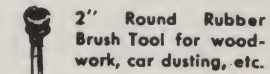
9" Ceiling, Wall & Overhead Brush Tool for use with extension



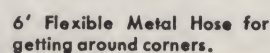
12' Aluminum Extension Wand with Swivel (in two sections)



12" Radiator and Crevice Tool



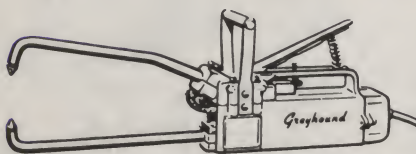
2" Round Rubber Brush Tool for wood-work, car dusting, etc.



6' Flexible Metal Hose for getting around corners.

GREYHOUND PORTABLE SPOT WELDERS

ARMS, TIPS AND ACCESSORIES



BASIC WELDERS

- †SP-1 Welder, 110 V.
- †SP-2 Welder, 220 V.
- †BW-1 Welder, 220 V.

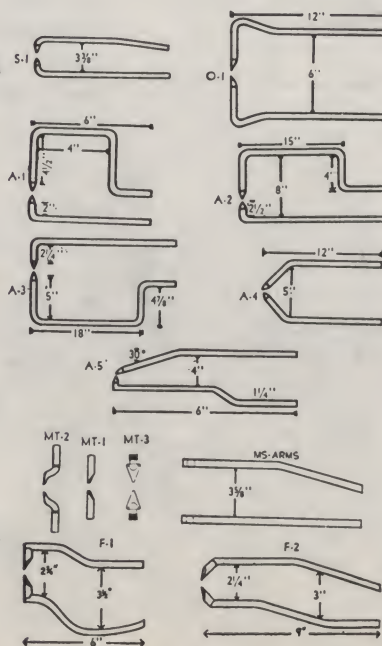
TIMERS AND STAND

- ST-1 Stand for All Welders
- TM-1 Timer for SP Welders
- TM-2 Timer for BW Welders

† Does not include arms and tips.

¶ MT-1 and MT-2 Tips can be used in MS, O-1 and water cooled arms only.

§ Prices without tips.
* Prices with tips.



Pr. Std. Replace. Arms, 6"	S-1
Pr. Std. Replace. Arms, 12"	S-2
Pr. Std. Replace. Arms, 18"	S-3
Pr. Special Replace. Arms	A-1
Pr. Special Replace. Arms	A-2
Pr. Special Replace. Arms	A-3
Pr. Special Replace. Arms	A-4
Pr. Special Replace. Arms	A-5
Pr. Special Arms with MT-1 Tips	O-1
Pr. Special Replace. Arms	MS-6
Pr. Special Replace. Arms	MS-12
Pr. Special Replace. Arms	MS-18
Pr. Special Arms	F-1
Pr. Special Arms	F-2
Set Copper Alloy Tips	MT-3
¶ Set of Tips	MT-1
¶ Set of Tips	MT-2
¼" Clamps for above	RC-1
¼" Rubber Tubing for water cooled arms	RT-1

Water Cooled Arms and Tips

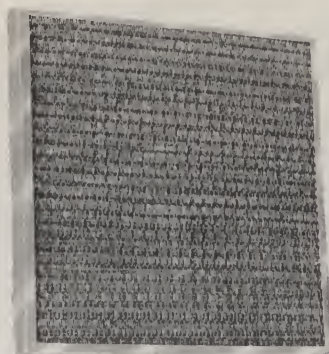
- S-1W
- S-2W
- S-3W
- A-1W
- A-2W
- A-3W
- A-4W
- A-5W
- O-1W

Please specify basic welder plus the type arms and tips desired.

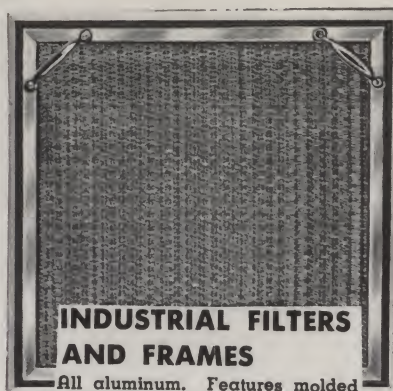
Evans

Lifelong

ALL ALUMINUM FILTERS



● **AIR FILTER**
All aluminum. Designed to catch and hold more lint without matting.



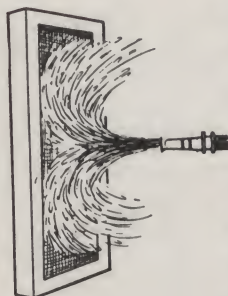
**INDUSTRIAL FILTERS
AND FRAMES**

All aluminum. Features molded neoprene gasket which stops air and dust by-pass.



GREASE FILTERS

Cools vapors. Solidifies grease on contact. Holds it till cleaned. . . all aluminum.



EASILY CLEANED with TAP WATER

Flush with running water and restore to use. (Do not use caustics or harsh irritant cleaning fluids). No rust. No corrosion. No fireproof room necessary. Since simple cleaning restores newness, only physical damage can harm an Evans filter. There is no reason ever to buy another.

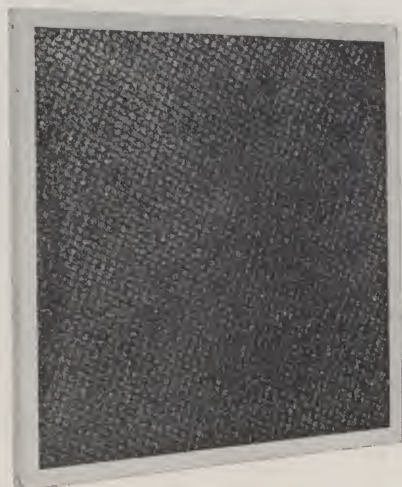
Provides ~~SURER~~ PROTECTION for HIGH COST Forced Air Equipment

HERE'S A FILTERING REVOLUTION . . . a line of filters that clean air cleaner, catch and hold more lint. Stop matting problems. In fact, hold more than double the dirt load with less than half the resistance to air flow.

CAN BE HAD IN ALL STANDARD SIZES.

The secret of this amazing performance is the precision machined filter pack of machine stamped grids. These force air into highest turbulence. Cause it to travel 3.5 times depth of filter from inlet to outlet side.

VERNCO'S ALL PURPOSE AIR FILTER



- Revolutionary new media consists of nine separate filtering layers—six layers of pure knitted copper mesh, two of knitted galvanized steel and one of expanded metal. Scientifically designed to trap more dirt and keep air cleaner.
- Unlike other filters, Vernco's copper-and-steel filtering media will not mat together after washing. Retains all its dirt-collecting efficiency indefinitely.

The VERNCO FILTER offers a new advance in permanent air filter design at an economical price.

LOOK AT THESE FEATURES

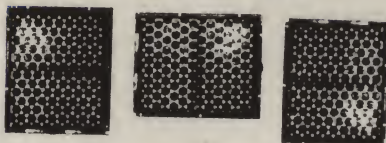
1. Needs no re-oiling after cleaning.
2. Filter media will not matt together after cleaning.
3. Baked enamel finish in attractive decorator color for buyer appeal.
4. Filter media will not spread apart leaving holes after cleaning.
5. Retains its dirt collecting efficiency permanently.

SIZE	DEALER			
	1 - 29	30 - 53	54 - 95	96 & Over
15 x 20 x 1	2.26	2.21	2.12	2.04
16 x 20 x 1	2.26	2.21	2.12	2.04
16 x 25 x 1	2.53	2.46	2.37	2.27
20 x 20 x 1	2.53	2.46	2.37	2.27
20 x 25 x 1	2.87	2.79	2.69	2.58

TERMS: 2% 10th prox. net 30 days.
DELIVERY: F.O.B. St. Louis, Mo.
PACKAGING: 6 per carton.

DUST-STOP

AIR FILTERS



SELLS FOR BIG PROFITS—you make 40% profit on every new Dust-Stop you sell at suggested retail price!

AND PROFITS WITH MINIMUM INVESTMENT—you can get into the filter business by stocking heavy on popular Dust-Stop sizes, light on others. (80% of sales come from 25" x 25", 20" x 20", 16" x 20", and 16" x 25" sizes in 1" and 2" thicknesses.)

That's not all! New golden Dust-Stop filters are backed by an all-new promotion! Full-color ads in *Better Homes & Gardens* and *LIFE*—and, better yet, a great package of solid-selling sales aids. Don't miss this golden opportunity! Get your free kit of sales helps

SELLS ON SIGHT with dazzling new red and gold color combination that makes it a hot impulse item!

SELLS WITH CLEAN SERVICE—tests prove the new DUST-STOP traps more dirt than the next best filter!

SELLS WITH HOT PERFORMANCE—20% lower initial air resistance lets more heat through!

SELLS ON FEEL—made with finer fibers than ever before, to feel better with no itch, no scratch from handling!

THE ORIGINAL REPLACEMENT FILTER, NATIONALLY KNOWN, NATIONALLY ADVERTISED.

-- CHECK -- THESE -- NEW -- LOW -- PRICES --

Here's how you can get even more out of this campaign—

- 1 Have plenty of Fiberglas* Dust-Stop* Air Filters out where your customers can see them!
- 2 To double your filter sales this fall, say to your customers: "If your fuel bills were too high last winter, you can save money by putting clean filters in your forced warm air furnace now!"
- 3 Feature Dust-Stop Filters in a window display with the eye-catching Jiminy Filter Display (10-AR-292), and lettered window card (10-AR-638).
- 4 Hand out (or mail out) free Dust-Stop stuffers to your customers, to bring them back to your store.

FIBERGLAS DUST-STOP FILTERS

STANDARD SIZES	BROKEN CARTONS	12-143	144 & OVER	CONSUMER ANY QUANTITY
1" FILTERS				
10 x 10	0.47	0.44	0.41	0.67
10 x 20	0.54	0.51	0.48	0.79
10 x 24	0.58	0.55	0.51	0.85
12 x 24				
12 x 30-5/8				
14 x 20	0.61	0.57	0.53	0.88
14 x 25				
15 x 20				
15 x 30-5/8	0.81	0.75	0.70	1.16
16 x 20				
16 x 22-1/4	0.61	0.57	0.53	0.88
16 x 25				
18 x 25				
19 x 27	0.81	0.75	0.70	1.16
20 x 20				
20 x 22-1/4	0.61	0.57	0.53	0.88
20 x 25				
22 x 22	0.67	0.63	0.58	0.97
22 x 24-1/4				
25 x 25	0.81	0.75	0.70	1.16
2" FILTERS				
10 x 10	0.54	0.50	0.47	0.78
10 x 20	0.74	0.67	0.64	1.06
14 x 20				
14 x 25				
15 x 20	0.91	0.84	0.78	1.30
16 x 20				
16 x 25				
20 x 20				
20 x 25	1.05	0.97	0.90	1.52
25 x 25	1.24	1.14	1.06	1.80

Assorted sizes in Full Cartons of standard sizes may be combined to receive quantity price.

TERMS: 2% 10th prox. Net 30th.

DELIVERY: F.O.B. St. Louis —

— Freight allowed on 48 filters or more.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

FIBERGLAS DUST-STOP FILTERS

1/2" FILTERS	BROKEN CARTONS	FULL CARTONS	CONSUMER ANY QUANTITY
6-1/2 x 23-3/8	.54	.49	.86
7 x 20-3/4	.52	.47	.81
7 x 23-3/8	.54	.49	.86
7-3/8 x 16-1/2	.48	.44	.77
7-13/16 x 9-11/16	.41	.38	.65
8 x 10-7/8			
8 x 22	.57	.53	.93
8-3/8 x 11-1/4			
— With Pull Tabs	.47	.45	.78
8-3/8 x 20-7/8			
— Stapled Thru Edges	.66	.62	1.07
8-3/8 x 23-3/8			
— Stapled Thru Edges	.70	.64	1.12
8-3/4 x 20-1/4	.57	.53	.93
8-7/8 x 20-3/4			
9 x 11-3/4	.48	.44	.77
9-3/8 x 16-1/2	.54	.49	.86
9-3/8 x 18-1/4			
9-7/8 x 16-1/2			
10-1/2 x 12	.52	.47	.81
10-1/2 x 14			
10-1/2 x 14-1/8			
10-5/8 x 23-1/2	.63	.58	1.02
11-1/2 x 19-3/4			
11-3/4 x 13-1/2	.54	.49	.86
12 x 20	.63	.58	1.02
12 x 20-1/2			
12-1/16 x 21-3/4	.66	.62	1.07
12-3/4 x 19-3/4			
12-3/4 x 23-3/8			
13-1/8 x 13-1/8	.54	.49	.86
14 x 20-1/2	.66	.62	1.07
14-5/8 x 23			
14-7/8 x 23-1/4			

Assorted sizes in full cartons of standard sizes may be combined to receive quantity price.

TERMS: 2% 10th prox. Net 30th.

DELIVERY: F.O.B. St. Louis —

— Freight allowed on 48 filters or more.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

ASBESTOS PAPER

Wrap furnace pipes, ducts, electrical devices, Vermin, rodent and acid resisting and fireproof. Standard range of thicknesses and weights, from 8 pound to 64 pound per 100 square feet.

Rolls 18", 24", or 36"
Wide, 50 lbs. or 100

HANDY ROLL

For "over the counter" sales, Shop and Home use.

18" Wide 60 Lineal Feet

ASBESTOS ROLLBOARD

Heavier weights and greater thicknesses than Asbestos Paper.

$\frac{3}{32}$ " & $\frac{1}{8}$ " Thick
Rolls 36" Wide, 50 lbs.
or 100 lbs.

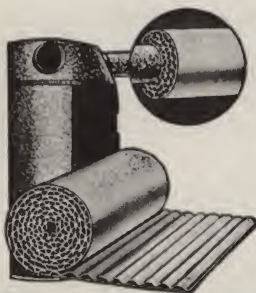
ASBESTOS PIPE JOINT TAPE

Asbestos Tape for stripping joints on furnace pipes, ducts, casings around registers, sealing joist space corners. Packed in cartons.

3" Wide,
1000 Lineal Feet....
AVERAGE WT. 30# PKG.

2" Wide,
1500 Lineal Feet....
AVERAGE WT. 30# PKG.

AIR CELL CORRUGATED PAPER



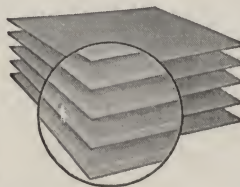
For wrapping warm air pipes or ducts, furnace liners, heaters, etc. 37" wide. Packed in cartons.

AVERAGE WT. 200# M. SQ. FT.
 $\frac{1}{4}$ " Corr. 250 Sq. Ft.
 $\frac{1}{4}$ " Corr. 125 Sq. Ft.

ASBESTOS MILLBOARD

THICKNESS 42" x 48"

$\frac{1}{16}$ "
 $\frac{3}{32}$ "
 $\frac{1}{8}$ "
 $\frac{3}{16}$ "
 $\frac{1}{4}$ "
 $\frac{3}{8}$ "
 $\frac{1}{2}$ "



For fire-stop or shield around heating equipment, wallboard, gas-kets, washers, electrical devices, ovens and fire doors. Packed in cartons.

HAIR FELT



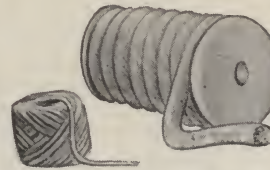
$\frac{1}{2}$ " Thick..
 $\frac{3}{4}$ " Thick..
1" Thick..
 $1\frac{1}{2}$ " Thick..
2" Thick...

AVERAGE WT. 11 OZ. SQ. FT. 1" TH.

36" or 72" wide

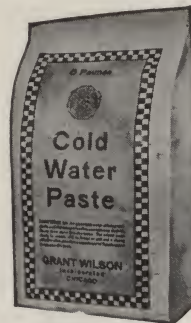
50-feet long. K factor 0.26 B.T.U.

WICK AND ROPE PACKING



$\frac{1}{4}$ lb. Balls.
 $\frac{1}{2}$ lb. Balls.
1 lb. Balls.
Reels, 25 lb. or 50 lb.

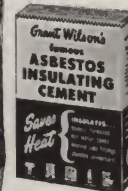
COLD WATER PASTE



Mix with water. For applying Asbestos Paper on metal and applying canvas to pipe covering Blocks, Sheets and Cemented surfaces.

1 lb. bag
2 lb. bag
5 lb. bag
10 lb. bag
15 lb. pail

ASBESTOS INSULATING CEMENT



7M Asbestos Cement 100# bag
Carey #303 Cement 50# bag
Carey MW-50 Cement 50# bag
(Mineral Wool)
10 lb. Carton

Boilers, furnaces, tanks, fittings, breeching, ducts, etc.

FURNACE CEMENT



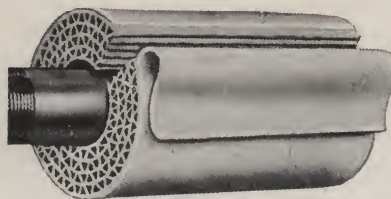
1 lb. Cans 36 Per Ctn.
2 lb. Cans 24 Per Ctn.
5 lb. Cans 12 Per Ctn.
10 lb. Cans 6 Per Ctn.
25 lb. Steel Drums...
50 lb. Steel Drums...
100 lb. Steel Drums...
Half Bbls. and Bbls..

STOPS DRIPPING FROM COLD PIPES



CATALOG No.	DESCRIPTION	SIZE	PACKING
2-165	INSUL-TAPE	15 FT. ROLL	8 PER CARTON

PIPE COVERING

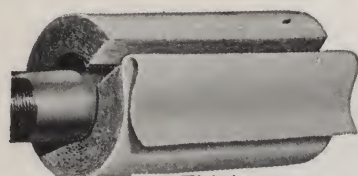


AIR CELL

Medium, low pressure steam, and vapor pipe lines. 3-foot lengths, with canvas jacket and metal bands. Packed in cartons.

3-Ply $\frac{3}{4}$ " Thick.....
AVERAGE WT. 0.71# FT.

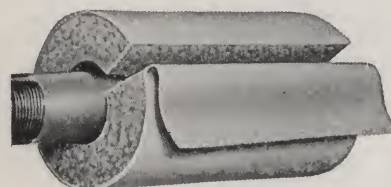
4-Ply 1" Thick.....
AVERAGE WT. 0.95# FT.



WOOLFELT

Cold water service and hot water return lines. Standard "Universal Liner" 3-foot lengths, with canvas jacket and metal bands. Packed in cartons.

$\frac{3}{4}$ " Thick.....
AVERAGE WT. 1.24# FT.
1" Thick.....
AVERAGE WT. 1.71# FT.



85% MAGNESIA

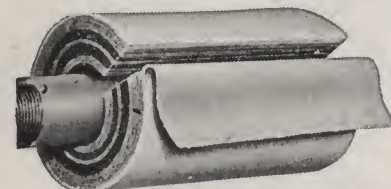
High Temperature and high pressure steam lines. Up to 550°F. 3-foot lengths, with canvas jacket. Metal bands are extra. Packed in cartons.



ANTI-SWEAT

Cold water service subject to excessive condensation. Single shell and telescopic "double shell" constructions. 3-foot lengths, with canvas jacket and metal bands. Packed in cartons.

$\frac{3}{4}$ " Thick
Single Shell.....
AVERAGE WT. 1.58# FT.
1" Thick & Up
Double Shell.....
AVERAGE WT. 2.20# FT.



FROSTPROOF

Cold water service lines passing thru unheated areas, and outdoor lines. 3-foot lengths with canvas jacket and metal bands. Packed in cartons.

$1\frac{1}{4}$ " Thick.....
AVERAGE WT. 1.50# FT.

85% Magnesia BLOCKS

All Thicknesses

6" x 36"

Canvas

Standard, 4 oz., 6 oz., 8 oz. 36 in. wide

low pressure pipe insulation with universal jacket

pipe insulation of
fine glass fibers

Resilient rather than brittle or fragile, Fibreglas insulation is easy to handle without fear of spoiling the material. It's lightweight and easy to cut and fit. All you need is a sharp knife.

On cold water lines, a jacket lap is sealed with cement. A sealing strip is provided for joints between the sections.

On hot lines, the jacket can be stapled, banded or cemented.



iron pipe— $\frac{1}{4}$ " to 12" in diameter

copper tubing— $\frac{1}{2}$ " to $4\frac{1}{8}$ " outside diameter

insulation thickness— $\frac{1}{2}$ " nominal

section length—3 ft.



Fibreglas Standard Pipe Insulation is made of fine-fiber Fibreglas wool bonded and accurately molded to conform to pipe. Thicknesses follow Simplified Dimensional Standards (except $\frac{3}{4}$ "") to permit nesting. Three foot long sections are designed to fit iron pipe or copper tubing. With a variety of jackets, this inorganic insulation offers superior efficiency and service life in its temperature range. Resilient glass fibers mesh at the joints to give, in effect, a continuous, unbroken covering of efficient insulation. The low thermal conductivity of Fibreglas Standard Pipe Insulation means high efficiency and fuel savings. When used in same thicknesses as ordinary insulation this product offers fuel savings up to 25%.

iron pipe (IPS)— $\frac{1}{4}$ " to 33"

copper tubing (CT)— $\frac{1}{2}$ " O.D. to $6\frac{1}{8}$ " O.D.

insulation thicknesses— $\frac{3}{4}$ ", 1", $1\frac{1}{2}$ ", 2", $2\frac{1}{2}$ " in single layer. And additional thicknesses with multiple layers.

section length—3'

LIST PRICES PIPE COVERING

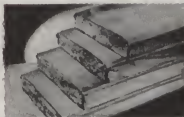
Nominal Pipe Size Inches	Std. Thick	1½" Thick	2" Thick	2½" Thick	3" Thick
	Price per Lin. Ft.	Price per Lin. Ft.	Price per Lin. Ft.	Price per Lin. Ft.	Price per Lin. Ft.
½	.22	.46	.75	1.00	1.20
¾	.24	.49	.80	1.05	1.35
1	.27	.52	.85	1.10	1.40
1¼	.30	.56	.90	1.15	1.45
1½	.33	.60	.95	1.20	1.55
2	.36	.64	1.00	1.25	1.65
2½	.40	.70	1.05	1.35	1.75
3	.45	.76	1.15	1.50	1.90
3½	.50	.82	1.25	1.65	2.05
4	.60	.88	1.35	1.80	2.20
4½	.65	.94	1.45	1.95	2.35
5	.70	1.00	1.55	2.10	2.50
6	.80	1.10	1.70	2.25	2.70
7	1.00	1.20	1.85	2.40	2.90
8	1.10	1.35	2.00	2.55	3.15
9	1.20	1.50	2.20	2.80	3.40

BUILDING INSULATIONS

Builders have a wide choice of sizes, thicknesses and forms. Each is designed for a specific purpose. Used together, they insulate any home—anywhere.



ROLL BLANKETS—for installation in large "open" areas. Heavy-duty nailing flanges speed application. Available in widths to fit between studs centered 16", 20", and 24" apart. Choose either Fiberglass Foil-Enclosed (in 2" and 3" thicknesses) or NEW Fiberglass Insulation (in 1½", 2", and 3" thicknesses).



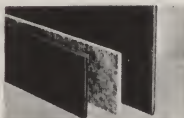
BATT BLANKETS—same construction, but in shorter lengths for easy handling in cramped quarters. Foil insulation available in 48" length only, NEW insulation in 24", 48", and 96" lengths.



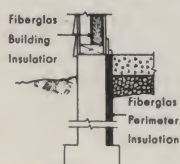
4" AND 6" THICKNESSES—for electrically heated homes, air-conditioned homes... for all superior quality homes and wherever maximum efficiency is needed.



POURING INSULATION—for pouring or hand packing into spaces between studs and joists, particularly hard-to-get-at areas. Also for use between ceiling and floor joists, not spaced on 16", 20", or 24" centers. Packed in paper bags approximately 35 lbs. per bag.



PERIMETER INSULATION—For stopping heat losses through the concrete floor slab of basementless homes. Available in three types: PF panels 12" x 48" x ¾" and AE (asphalt enclosed) panels 12" x 36" x ¾" or 1".



Heat loss is high at the edges of concrete floors laid directly on the ground. Fiberglass* Perimeter Insulation installed around the edges of the slab reduces this loss.

B. F. Goodrich Molded Cell-Tite Tubing Insulation



Positive Insulation for Warm or Cold Fluid Line Piping

Flexible Tubing Insulation is a foamed plastic insulation for iron pipe and copper tubing cooling and heating lines, chilled water, and refrigerant lines. It is black in color, odorless, self-extinguishing, and exceptionally clean to handle. Its flexibility speeds application. The material has a closed cellular structure and is a vapor barrier in itself, so no vapor barrier coating is required.

Flexible Tubing Insulation is designed for exceptional ease of handling. It is so flexible it can be tied in knots—so resilient it springs back to its original shape when untied. Fast application to both pipe and fittings means that total installed cost of this superior quality insulation usually runs no higher than for conventional type materials—frequently less.

temperature limit—Recommended for piping from 0° F. to 200° F.

1½" WALL THICKNESS

SIZE	Less Than 2000 Ft.	2000 Ft. To 5000 Ft.
1/4" ID x 1-1/4" OD	19.59 C ft.	17.59 C ft.
3/8" ID x 1-3/8" OD	24.50 C ft.	22.50 C ft.
1/2" ID x 1-1/2" OD	26.50 C ft.	24.20 C ft.
5/8" ID x 1-5/8" OD	28.80 C ft.	26.20 C ft.
3/4" ID x 1-3/4" OD	31.00 C ft.	28.00 C ft.
7/8" ID x 1-7/8" OD	33.10 C ft.	29.00 C ft.
1" ID x 2" OD	35.69 C ft.	32.10 C ft.
1-1/8" ID x 2-1/8" OD	37.90 C ft.	33.35 C ft.
1-1/4" ID x 2-1/4" OD	40.11 C ft.	35.27 C ft.
1-3/8" ID x 2-3/8" OD	42.17 C ft.	38.00 C ft.
1-1/2" ID x 2-1/2" OD	46.10 C ft.	41.90 C ft.

3/8" WALL THICKNESS

1/4" ID x 1" OD	15.92 C ft.	14.62 C ft.
3/8" ID x 1-1/8" OD	16.68 C ft.	15.14 C ft.
1/2" ID x 1-1/4" OD	18.41 C ft.	16.63 C ft.
5/8" ID x 1-3/8" OD	20.00 C ft.	18.00 C ft.
3/4" ID x 1-1/2" OD	21.38 C ft.	19.20 C ft.
7/8" ID x 1-5/8" OD	23.60 C ft.	21.12 C ft.
1" ID x 1-3/4" OD	25.38 C ft.	22.66 C ft.
1-1/8" ID x 1-7/8" OD	27.72 C ft.	24.70 C ft.
1-1/4" ID x 2" OD	29.52 C ft.	26.23 C ft.
1-3/8" ID x 2-1/8" OD	32.19 C ft.	29.31 C ft.
1-1/2" ID x 2-1/4" OD	34.20 C ft.	30.92 C ft.

Terms: 2% 10th prox. Net 30

Delivery: F.O.B. delivered on one carton or more.

"K" Factor - .25

FIBERGLAS DUCT SYSTEM MATERIALS ALL-PURPOSE USE

Fibreglas Duct System Materials may be used for residential and commercial heating, air conditioning, or dual-temperature duct systems operating at velocities up to 4,000 fpm and at 250° F. maximum temperature. Materials are available in flat sheet or round ducts molded in uniform cylinders, complete, ready to install. The flat sheet is available factory scored in several popular sizes for folding on the job into rectangular ducts or unscored for field fabrication. Unscored flat sheets may be easily scored, with a special tool, to fold into the duct size required.



DUCT SECTIONS – GROOVED

Inside Diameter	Length	Pces/ Carton
* 8 x 8 x 1	48"	8
* 10 x 14 x 1	48"	4
* 12 x 16 x 1	48"	4

TYPE Y – UNSCORED BOARDS

* 1 x 36 x 48	8
1 x 36 x 72	6
1 x 36 x 96	4
1 x 48 x 48	8
1 x 48 x 72	6
1 x 48 x 96	4

TYPE R ROUND DUCT – 6 FEET LONG

Inside Diameter	Thickness	Pces/ Carton
4"	3/4"	25
* 5"	3/4"	16
6"	3/4"	9
* 7"	3/4"	9
8"	3/4"	9
* 9"	3/4"	4
10"	3/4"	4
12"	1"	4
14"	1"	4

* – Must be made to order

* – In stock – approx. 14 day delivery on other sizes

OWENS-CORNING
FIBERGLAS

MAT-FACED FLEXIBLE DUCT LINER

Fiberglas* Mat-Faced Flexible Duct Liner is an unusually effective flexible duct liner specifically designed and engineered for heating, ventilating and air conditioning systems. It combines outstanding thermal and acoustical properties, a low air friction coefficient, and is low in cost.

LOW AIR FRICTION

Fiberglas Mat-Faced Flexible Duct Liner has a very low friction coefficient of .017 to .020 when adhered inside a finished duct† -- lowest of any duct liner. This means oversizing of ducts to correct for head loss, due to rough surface characteristics, can now be held to a minimum. This low friction surface is made possible by a smooth glass mat face that is firmly bonded to the insulation by a special fusing process making the surface and insulation an integral unit. This means that there is virtually no surface fiber erosion even at velocities up to 4000 FPM.

DIMENSIONS

Thicknesses: 1/2" and 1"

Widths: 24"; 36"; 48"

Roll Lengths:

(1/2" thickness) - 100'

1" thickness) - 50'



FIRE-RESISTIVE

Fiberglas Mat-Faced Flexible Duct Liner meets recently revised NFPA and NBFU #90A standards as determined by Underwriter's Laboratories method NFPA No. 255 - ASTM E84-50T. Underwriter's Laboratories tests show a fire hazard classification

Flame spread	20-25 ††
Fuel contributed	30-35
Smoke developed	5 ††

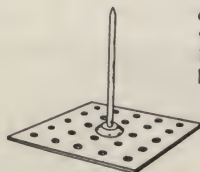
(Compared with untreated Red Oak as 100)

See current Underwriter's Laboratories Fire Protection Equipment List, Classification 40 UB.3

For Insulation Installation

Insulation Hangers

Gemco Anchor Nails were developed to eliminate the slow, dirty, hazardous, and tiring job of drilling for anchoring to brick, concrete, and steel. Gemco Anchor Nails when fastened with an approved adhesive have ample strength to hold side wall loads in place securely.



Cat. No.	Plate Size	Size of Nail
AN	2" x 2"	Std. 4 d Nail



GEMCO INSULATION HANGERS		
IHA	2"x2" plate	1 5/8" Spindle
IHB	2"x2" plate	2 1/2" Spindle
IHC	2"x2" plate	4 1/2" Spindle
IHD	2"x2" plate	8 1/2" Spindle
GEMCO WASHERS		
W	Gemco Washers 1 1/2" diameter	
WA	Gemco Self-Locking Washers 1 3/4" diameter	

Where temperatures do not exceed 160° F. use

MIRACLE ADHESIVE Type M

—gallons—5 gallons

BOSTITCH STAPLERS



BOSTITCH T5-8 Spring-driven Tacker

One-hand operation. Compressing lever shoots staple into work. Eight staple sizes.

STAPLES REQUIRED

T5-8 TACKER: Bostitch STCr 5019 1/2"

Flexible insulations

Fiberglass flexible duct insulation

Fiberglass Flexible Duct Insulation is a versatile and efficient insulating blanket of fine glass fibers for use on exposed or concealed ducts of any cross section. Its ease of application, even in a limited space, is a money-saving factor.

Flexible Duct Insulation is available in standard $\frac{1}{2}$, 1, $1\frac{1}{2}$ and 2 inch thicknesses, 24, 36, 48, or 72 inches wide, in compressed rolls 100 feet long. Faced material comes in 48-inch width only.

A variety of facings may be factory applied with or without a 2 inch sealing flange on one edge. These include duplex laminated kraft paper, aluminum pigmented vinyl, aluminum foil, and reinforced foil-faced flame resistant kraft paper.



Fiberglass flexible duct liner

This special form of Fiberglass flexible insulation, with a light coating of compounded neoprene, is used as a barrier to heat flow and as a sound-absorbing insulation on duct interiors.

The sheet metal duct acts as a vapor barrier when Flexible Duct Liner is used on inner surfaces of air conditioning ducts. The insulation keeps the duct surface at approximately room temperature and tends to prevent condensation on ducts carrying cool air through areas of high humidity. Flexible duct liner is thus suitable for air conditioning or warm air ducts.

Because it is so flexible, this duct liner can be installed by adhering the insulation to the metal sheets before they are bent to form the duct. Available in $\frac{1}{2}$ and 1 inch thicknesses in 48-inch width. 26-inch width only available in Western United States.



Rigid duct insulations

Fiberglass PF duct insulation

Fiberglass PF Insulation is made in semi-rigid panels of fibrous glass wool for use as a duct insulation. Because it can be so easily cut to size and applied, PF Insulation is a popular exterior insulation for ducts, either exposed or concealed. Though this insulation ranks high in efficiency, it is one of the lowest-priced duct insulations of its type.

Standard panels are 24 x 48 inches. Other sizes are made to order. Standard thicknesses for residential ducts are $\frac{1}{2}$ inch and 1 inch.

Application is fast and simple. Total installed cost is usually below that of other insulations. Does not provide protection against condensation and must be provided with a separate vapor barrier if used on cooled ducts.

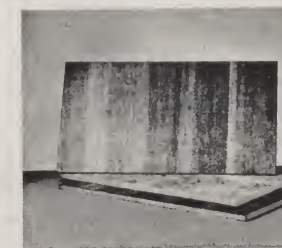


Fiberglass vapor-seal duct insulation

Fiberglass Vapor-Seal Duct Insulation is designed especially for use on the outside of air conditioning ducts. It is an efficient board-like material of fibrous glass, with a factory-applied vapor barrier of asphalt and kraft paper. In warm, humid areas, where condensation on cool air ducts is often a serious problem, this unusual product provides insulation and a vapor barrier in a single product.

Vapor-Seal Duct Insulation is light in weight and easy to handle. Thermal efficiency is high. The material is easy to cut, shape, and apply. Joints must be carefully sealed to prevent condensation.

Vapor-Seal Duct Insulation is offered in standard 24 x 48 inch panels, in thicknesses of $\frac{1}{4}$, 1, $1\frac{1}{2}$, and 2 inches. It should not be used where duct temperatures exceed 150° F. since higher temperatures will damage the facing.



Fiberglass coated duct insulation

Fiberglass Coated Duct Insulation is a semi-rigid board material, specially processed to give it maximum utility. It combines all the desirable qualities of PF Insulation with improved surface characteristics which permit interior application. It is lightly coated on both sides with a neoprene compound to prevent fiber entrapment when the material is used as a duct liner.

Fiberglass Coated Duct Insulation has exceptional thermal efficiency. It is light-weight and fire safe (listed by Underwriters' Laboratories, Inc.) It offers moisture resistance, physical stability, and excellent workability, plus superior sound absorption characteristics. It also possesses high resistance to air erosion. Tested at air velocities of 6000 ft. per minute, it showed no surface deterioration. For use as a duct liner in air conditioning ducts.



HERE ARE SOME OF THE MANY FIBERGLAS INDUSTRIAL INSULATIONS AVAILABLE FOR YOUR SPECIFICATION

FOR MORE COMPLETE INFORMATION, WRITE FOR OUR INSULATION CATALOG.

NEW!

POLYETHYLENE protective material



Durability . . . unaffected by water, acids, alkalis or fungus.

Vapor resistance . . . exceeds vaporseal requirements with extreme low perm rating of .05 (at 73° F, 50% RH).

Strength . . . withstands stress and strain without rupture . . . will not crack or pinhole on folding.

Light-weight . . . easy to handle, easy to store.

Flexibility . . . retains its flexibility and basic properties at temperatures ranging from -60° to +180° F.

Economy . . . top protection at little expense because of low cost per square foot.

UNDER SLABS
IN WALLS
IN CEILINGS
AROUND FOUNDATIONS
IN CRAWL SPACES
OVER SUBFLOORING
FUMIGATION
MACHINERY COVERS
HAY AND STRAW STACK
COVERS
SILAGE COVERS
COLD FRAMES
TEMPORARY SHELTERS
CORD WOOD COVERS
PORTABLE GREEN HOUSE
FROST COVERS
CAR SEAT COVERS
MECHANICS' TARPULINS
DROP CLOTHS
BUILDING MATERIAL
COVERS
TEMPORARY WINDOWS
COUNTER COVERS
MERCHANDISE PROTECTORS
LAWN PROTECTION
EMERGENCY COVERS

**MEETS FHA REQUIREMENTS
FOR • UNDERSLAB VAPORSEAL
• STRUCTURAL VAPORSEAL
• CRAWL SPACE MOISTURE
BARRIER**

Two Types:

— Clear, colorless pure polyethylene film for general protective applications.

— Opaque, black polyethylene film to meet more stringent, outdoor protective requirements.

Three Guages: 2 mil. (.002" thick)
4 mil. (.004" thick)
6 mil. (.006" thick)

STANDARD ROLL LENGTHS

.002" thick	200 ft. long
.004" thick	100 ft. long
.006" thick	100 ft. long

10 ft. Wide .004" thick in clear can be ordered in cut lengths

FLASHING
CURING BLANKETS
UNDER ROOFING
IN SHOWER STALLS
TEMPORARY GREENHOUSES
WIND BREAKS
CASE LINERS
WOOLEN STORAGE
PORCH PROTECTORS
COAL PILE COVERS
TRAILER COVERS
PICNIC CLOTHS
GROUND CLOTHS
TABLE CLOTH COVER
PLAY PEN PADS
PONCHOS
LEAN-TO
FURNITURE COVERS
OUTDOOR FURNITURE
PROTECTORS
BOAT COVER
AUTOMOBILE COVER
ATHLETIC FIELD COVER
PROTECTING EMBANKMENTS
FROM WASHOUT
IRRIGATION DITCHES

**Stop the Leak as
Fast as You Find it!**



AN EMERGENCY REPAIR THAT CAN'T BE BEAT

FOR USE WITH WATER-ACIDS-BRINE-GAS

Krak-Stik seals cracks and splits in soil pipes, sand holes in castings, sewer pipes, gaskets, steam pipes, seepage in concrete walls, etc.

Krak-Stik can be applied while liquid is in pipes at moderate pressures. No heating of either surface or stick is required. Krak-Stik contracts or expands with surface to make a positive seal.



CAN BE USED WHILE OIL IS STILL LEAKING!

Oyltite is a newly developed compound in stick form that meets a decided need. It is a positive seal for oil leaks, cracks, pinholes or rusty parts in welds of fuel oil containers and oil tanks. It can also be used for small gasoline tanks. Many installations can be quickly repaired by rubbing Oyltite into leaking area. It is quick acting . . . handy and easy to use . . . in clean stick form. Special types are available for high temperatures, vibrations or great pressures.

SOLDER



Solder available in both 50-50 and 40-60. It can be supplied in regular bar or small bar

FLUXOLDER SOLDER

FLUXOLDER IS EASY TO USE.

TRY IT ON YOUR NEXT SOLDERING JOB.
FLUXOLDER REQUIRES NO CLEANING OR
TINNING, JUST BRUSH ON AND HEAT.

PRODUCES PERFECT JOINTS QUICKLY, IN
THREE EASY STEPS.

HALF & ONE POUND CANS

LA-CO FLUX regular

An all-purpose Flux that instantly dissolves oxides of metals and prepares a free and clean surface for a firm union of solder and metal. Fluxes right through oily surfaces. Ideal for use on Copper, Brass, Lead, Galvanized Iron, Tin, Steel, Cast Iron, Terne Plate, Zinc, etc. Will not freeze or decompose.

Non-Acid—Non-Staining—Self-Cleaning.

PASTE	PASTE	PASTE	LIQUID
2 ounce can	4 ounce can	1 pound can	1 gallon can

LA-CO FLUX FOR CHROME AND STAINLESS STEEL

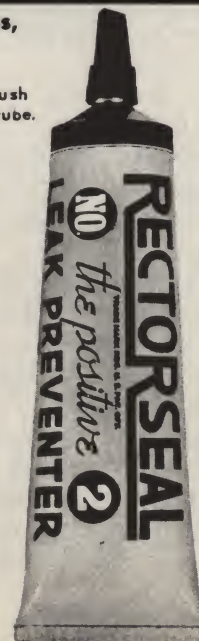
With this flux soft soldering can be done at both low and high temperatures. No surface cleaning is necessary. Important is the fact . . . that it is non-staining and can be used freely on stainless steel and chrome. It makes a solid bond when used either with torch or soldering iron . . . soldering iron is not affected and stays clean because of the flux action.

PASTE	PASTE	LIQUID
4 ounce can	1 pound can	1 gallon can

THREAD AND GASKET SEALING COMPOUND

Insoluble in LP Gas, Natural Gas,
Anhydrous Ammonia

FOUR SIZES: ¼, ½ and 1 pint brush
top cans, and the handy 1½ oz. tube.



ADHESIVES

#81-71

A quick setting clear rubber adhesive for insulations. Suitable for adhering fibrous glass insulations to heating and cooling ducts. Coverage is 150 to 200 sq. ft. per gallon.

1 Gal, 5 Gal., & 55 gal. drums.

TUFF BOND #7

A quick setting clear rubber adhesive for thermal insulations. Suitable for adhering fibrous glass insulations to heating and cooling ducts. Coverage is 150 to 200 sq. ft. per gallon.

5 gal. cans

INSULATION TAPE

P691 SILVER

For sealing ductwork, holding on insulating materials, provides vapor barrier. Silver colored to match metal duct or aluminum faced insulation.

P691 BLACK

Same uses as P691 Silver Tape.

P641 COTTON

Off-white colored tape. May be used as a general purpose and where a vapor barrier is not necessary.

MP26 TAPE

A silver colored, vinyl backed paper tape. May be used where a vapor barrier is required.

ALL TAPES FURNISHED IN ROLLS

2" and 3" Wide - 180 ln. ft. per roll.

PAINTS

No. 1000 EXTERIOR ALUMINUM - Long-oil Spar Varnish mixed two pounds of Aluminum Paste to the gallon. For All-Weather-Exposed Metal . . . Oil Tanks . . . Bridges . . . Corrugated Siding . . . Fences . . . Roofs . . . Water Towers . . . Trucks . . . Trailers . . . Toys . . . Radiators. For brick, concrete and stucco . . . Prevents destructive weathering of concrete structures subject to moisture.

For painting asphalt or tarred surfaces to seal against bleeding.

For prolonging the life of canvas coverings for trucks, decks of ships, awnings.

For interior surfaces where ultimate durability is required.

No. 2000 HEAT-PROOF ALUMINUM - All Apsco Aluminum Paints will withstand temperatures up to 250° F. No. 2000 Heat-Proof is designed for interior metal surfaces reaching temperatures of 800° F. For furnace fronts, boilers, steam pipes, heating ducts, etc.

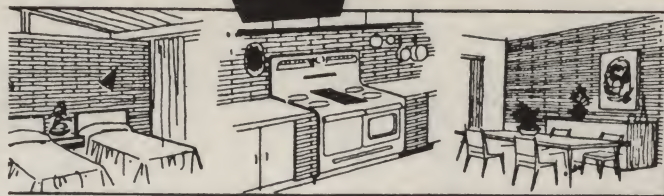
No. 9000 GENERAL-PURPOSE ALUMINUM - Superior to the average top-grade aluminum paint. No. 9000 General-Purpose Aluminum may be used for the same purposes as No. 1000 Exterior Aluminum.
In quart & gallon cans.

TINNER RED & GREEN

High grade, durable gloss finish for guttering - Downspouts - All metal surfaces - interior or exterior in quart - gallon cans.

DO IT
YOURSELF
WITH

Z-BRICK



Here are several clever ideas for interior decorating with Z-Brick, the featherlite brick you apply with mastic. Sparkling pastels, Lake Green, Desert Red, Sunset Gold.



Entries, fireplace walls, room dividers, rathskellers, planters . . . all are easy and fun to do in spare time. No mortar, no mess. Here's how you do it:



DAUB it with adhesive, STICK it to any smooth surface. A small saw and a file are only tools you need to get professional looking job.

Z-BRICK was designed especially for modern interior decorative schemes—and for do-it-yourself enthusiasts. Feather-light in weight—it requires no foundation. No mortar is needed—just quickly and easily applied with special Z-BRICK adhesive.

Three handsome decorator colors give you wide choice in planning striking interior color harmonies.

You can modernize your old-fashioned fireplace... build a beautiful accent wall... impart charm to entrance ways, planter boxes, kitchen-family room areas... many more uses.

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